

CATALOGUE 44

ELECTRIC APPLIANCE COMPANY



AMERICA'S LARGEST ELECTRICAL SUPPLY HOUSE

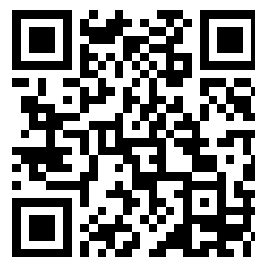
TWENTY-FIFTH
ANNIVERSARY
CATALOGUE

CHICAGO DALLAS
SAN FRANCISCO NEW ORLEANS

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THE
MUSEUM
OF
THE
CITY
OF
NEW
YORK

HISTORIC PRESENTATION

"Established Twenty-five Years and We Grow a Little Every Day"

CATALOGUE No. 44

ELECTRIC APPLIANCE COMPANY

**GENERAL CATALOGUE
OF ELECTRIC LIGHT,
RAILWAY, TELEPHONE
AND HOUSE SUPPLIES**

We publish in addition to this Catalogue
a complete Fixture Catalogue, which we
will gladly furnish to those interested.

**TWENTY-FIFTH
ANNIVERSARY
CATALOGUE**

1921

CHICAGO
701-709 WEST JACKSON BLVD.
SAN FRANCISCO
807-809 MISSION STREET

DALLAS
1109-1113 JACKSON STREET
NEW ORLEANS
408-414 CANAL STREET



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BY
F. E. MOORE

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arch.



In presenting our general catalogue we desire to state that we aim to revise our catalogue each time in order to make it the leading reference book in the electrical supply business.

All of our efforts are directed toward keeping buyers of electrical supplies in close touch with the market, and for that purpose we originated the perpetual price list.

We never list anything in our catalogue but standard material, that can be furnished promptly.

We appreciate the reception our former catalogues have met with, and trust that our present effort will meet with the same favorable consideration.

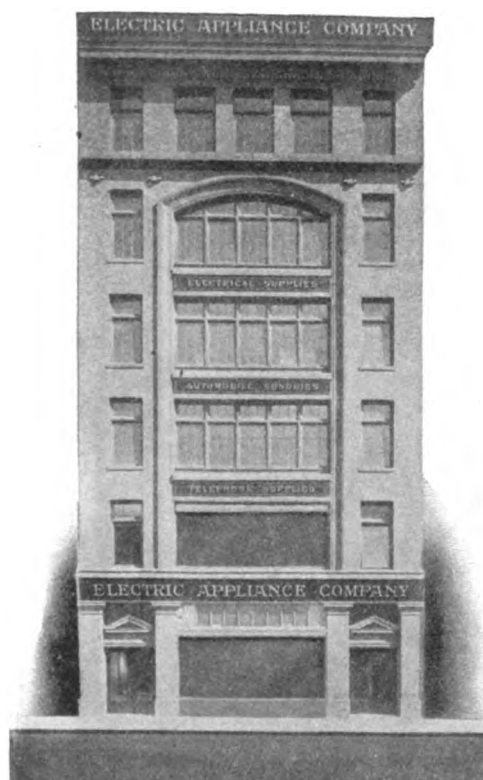
ELECTRIC APPLIANCE COMPANY



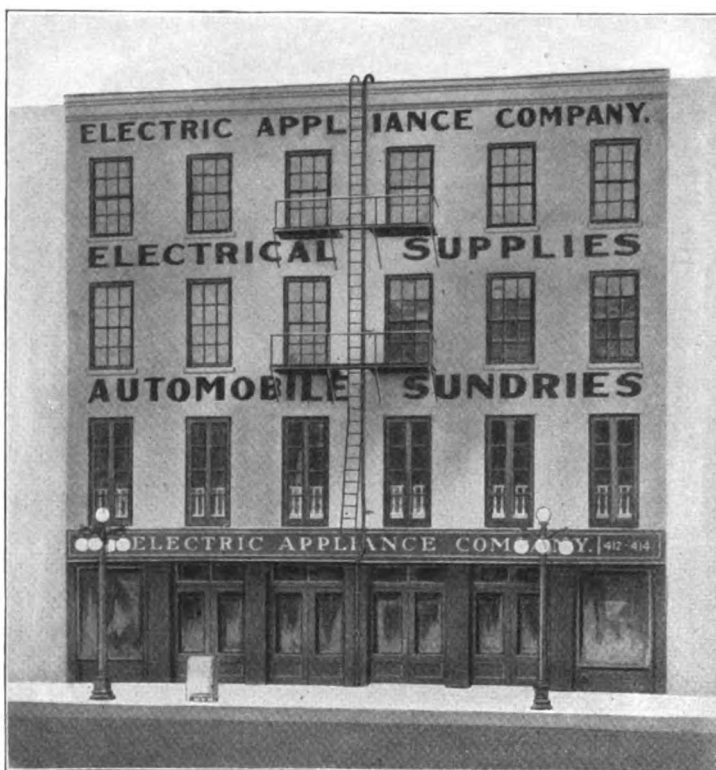
CHICAGO OFFICE AND WAREHOUSE

701-709 WEST JACKSON BOULEVARD, CHICAGO

LARGEST ELECTRICAL SUPPLY WAREHOUSE IN THE WORLD



PACIFIC COAST HOUSE, ELECTRIC APPLIANCE COMPANY
807-809 MISSION STREET, SAN FRANCISCO



NEW ORLEANS HOUSE, ELECTRIC APPLIANCE COMPANY

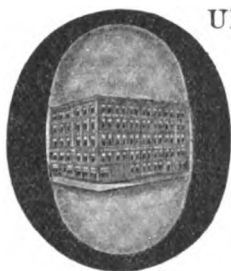
408-414 CANAL STREET, NEW ORLEANS



DALLAS HOUSE, ELECTRIC APPLIANCE COMPANY

1109-1113 JACKSON STREET, DALLAS, TEXAS

TERMS



UR terms are thirty days net cash to purchasers known to us, and unless your financial standing is known to us, or you are rated satisfactorily, a statement of your financial resources and satisfactory references should accompany orders for material.

If this is not done, a delay necessary to the investigating of your standing will, in many cases, cause inconvenience.

Accounts are payable and due upon the fifteenth of the month following the date of purchase, and unless remittance is received, are subject to sight draft without notice.

Cash Discounts. Our invoices give full information as to the cash discounts allowed on various classes of material.

C. O. D. shipments cannot be made unless a deposit equal to 33 $\frac{1}{3}$ per cent of the order is sent with order. Goods may be forwarded by freight with sight draft attached to bill of lading, or by express collect upon delivery.

Remittances may be made by draft, money order, registered letter, or express money order. We assume no liability whatever for remittances lost in transit.

CUSTOMERS, BEAR IN MIND:

1st, How to Order.— That we ship standard goods immediately upon receipt of order, but that unless you clearly specify by Trade Number and description what is wanted, your order may be subjected to delay. Directions as to the proper routing of orders should be given; otherwise we use our best judgment. Make order separate from anything else; if information is wanted from any department whatever, write upon separate sheet from order, and you will get both goods and information much more quickly.

2d, Prices.— We issue price lists giving the lowest market quotations upon all standard goods, and endeavor to have in our customers' hands an up-to-date price list; yet we do not hold ourselves liable for changes in prices without notice. Prices are always for shipment from our warehouses, unless otherwise specified, except such goods as are shipped regularly direct from factories, in which cases prices are for factory delivery, unless otherwise specifically agreed upon.

3d, Telegraphing.— Owing to the increasing use of the night lettergram and day lettergram which do not permit the use of code words, we have considered it unnecessary to give each separate article a code word. In asking for quotations, the quantity should always be given, as in many cases it largely influences the price. Please pay your own telegrams; otherwise we will be compelled to charge to your account any expense incurred, or refuse your message.

4th, Returning Goods.— Under no circumstances return goods to us except under our express directions. Errors are made by the best of us, and we stand ready to correct at any time errors on our part, and expect our customers to accept liability for their own mistakes.

5th, Liability.— We employ experienced packers, and have in force a system of checking to prevent errors, shortages, etc., and ask that all claims be presented inside of five days for our consideration. We make no allowances for breakage after delivery in good order to carriers, and all claims for breakage should be presented to transportation companies handling the freight.

TELEGRAPH CODE

For the convenience of our customers in telegraphing orders or wiring for information we have the following *Telegraph Code* to be used to designate quantities.

CODE WORDS FOR NUMBERS WHICH WOULD OTHERWISE REQUIRE
MORE THAN ONE WORD

The following code may be used to indicate voltage, amperes, feet, pounds, or number of article desired. We recommend using the word "feet," "pounds," etc., when sending messages. We shall be governed by the manner in which the goods are listed and sold.

1½. Kaftan	68. Lancinating	215. Lateness	2300. Launder
2½. Steeple	69. Landslip	220. Linseed	2400. Laundress
3½. Kali	71. Landslide	225. Tight	2500. Benedict
4½. Kamala	72. Port	230. Latish	2600. Laundry
5½. Tilting	73. Landsman	235. Latency	2700. Laureateship
6½. Stellate	74. Landward	240. Timid	2800. Laureation
7½. Kava	75. Adolphus	250. Nomancy	2900. Laureled
8½. Stemless	76. Landwarrant	275. Latent	3000. Bently
9½. Keblah	77. Landau	300. Ambrose	3100. Laurustine
21. Kelpie	78. Langsyne	325. Latently	3200. Lava
22. Kennel	79. Languidly	350. Andrew	3300. Laver
23. Keno	81. Languidness	375. Lathy	3400. Lavenderwater
24. Abbey	82. Languish	400. Angus	3500. Bernard
25. Abraham	83. Languishing	425. Lather	3600. Law
26. Kentledge	84. Languishingly	450. Anthony	3700. Lawmaker
27. Kerf	85. Laniary	475. Latinism	3800. Lawsuit
28. Kerosene	86. Lapwing	500. Archibald	3900. Lawn
29. Khedive	87. Larboard	525. Latinist	4000. Bertram
31. Kibe	88. Larcenous	550. Archangel	4500. Caleb
32. Kindergarten	89. Larceny	575. Latinity	5000. Cecil
33. Kiddle	91. Lard	600. Arthur	5500. Lawnsleeve
34. Kismet	92. Larder	625. Latinize	6000. Charles
35. Absalom	93. Lardoil	650. Latitudinal	6500. Lawntennis
36. Klang	94. Largehearted	675. Latterly	6600. Telluric
37. Klondiker	95. Timbering	700. Asa	7000. Christopher
38. Knightage	96. Largely	725. Lattice	7200. Incubate
39. Knighterrant	97. Largeness	750. Latticebridge	7500. Lax
41. Knighthood	98. Timbrel	775. Latticegirder	8000. Claude
42. Knout	99. Largess	800. Augustus	8500. Laxity
43. Kobold	100. Adrian	825. Latticewindow	9000. Clement
44. Kop	102. Time	850. Laud	9500. Laxly
45. Adam	103. Side	875. Laudable	10000. Conrad
46. Kraal	104. Larkspur	900. Austin	11000. Laxness
47. Kraken	105. Mont	925. Laudableness	12000. Laxation
48. Berg	106. Timest	950. Laudably	13000. Laxative
49. Kris	107. Larva	975. Laudation	14000. Laxativeness
51. Kumiss	108. Timeless	1000. Baldwin	15000. Constantine
52. Dorf	110. Ton	1040. Tiger	16000. Agile
53. Kyanize	112. Trap	1100. Laudatory	17000. Lay
54. Libialize	113. Lasting	1150. Laudanum	18000. Layfigure
55. Wood	114. Timely	1200. Laugh	19000. Lazar
56. Labret	115. Ville	1300. Laughable	20000. Cornelius
57. Lac	120. Band	1400. Laughableness	21000. Lazarhouse
58. Laches	125. Albert	1500. Barnabas	22000. Lazy
59. Lactation	130. Lastingly	1600. Laughably	23000. Lazily
61. Liac	133. Timber	1700. Laughter	24000. Laziness
62. Lamblike	140. Timbered	1800. Laughinggas	25000. Cuthburt
63. Lambling	150. Alexander	1900. Laughingly	30000. Lea
64. Lambskin	160. Lastly	2000. Basil	35000. Leach
65. Lammas	175. Alfred	2080. Tamability	40000. Leadless
66. Lacinated	200. Allen	2100. Laughter	45000. Leadpencil
67. Lancination	210. Latchkey	2200. Timidly	50000. Leady

By the use of this code you can send a letter by wire at the cost, in many cases, of a ten-word message.

TELEGRAPH CODE

CODE WORDS FOR ORDERS

Add to our order of. Daniel
 Cancel our order of. Tellurium
 Change our order of. David
 Do not understand order,
 please give full details. Temerity
 Duplicate order of. Temper
 Have entered order and will
 ship. Anne
 Have none in stock. Zoe
 Have you in stock? Denis
 Have you in stock? If not,
 how soon can you ship. Donald
 Hold for instructions our or-
 der of. Ebenezer

Hurry forward goods on our
 order of. Edgar
 Too late to cancel order. Edmond
 We cannot accept your order
 at the price. Joseph
 We have completed your or-
 der. Edward
 We have entered your order. Temperate
 We will accept your order. Egbert
 We will accept your order and
 make immediate shipment. Edwin
 We will complete your order
 by. Tempering

CODE WORDS FOR SHIPMENTS

Answer by wire when you will
 ship. Urgent. Tempest
 Can you ship? Elias
 Can you ship in—days? Templer
 Can you ship immediately? Elijah
 Can you ship at once upon
 receipt of order? Emile
 Can ship in. Enoch
 Can ship upon receipt of or-
 der. Temple
 Can ship in two days. Temporal
 Can ship in three days. Temporary
 Can ship in four days. Temporize
 Can ship in five days. Tempt
 Can ship in six days. Tempter
 Can ship in one week from re-
 ceipt of order if advised at
 once. Ezikiel
 Can ship in two weeks from
 receipt of order if advised
 at once. Ezra

Can begin shipping at once
 and complete in—days. Eustace
 Can you ship from stock if
 advised immediately? Emanuel
 Enter our order if can ship at
 once. Tempting
 Enter our order if can ship in
 —days. Ferdinand
 First shipment will be made. Temptress
 Have you shipped goods on
 our order? If not, when
 will you ship? Fergus
 Have you sent tracer as re-
 quested? Francis
 How soon can you ship? Frederick
 How soon can you make first
 shipment, and how fast re-
 mainder? Gabriel
 We ship you today. Humphrey
 We will ship. Incorrupt

CODE WORDS FOR SHIPPING INSTRUCTIONS

Hold order of —subject to
 further shipping instruc-
 tions. Tenacle
 Hold subject to order. Tenacious
 Hold subject to our order. Tenacity
 If you cannot fill order in full,
 ship all you can, and let bal-
 ance follow as soon as possible. Tenancy
 If you cannot ship in time
 named, advise by telegraph. George
 Impossible to make complete
 shipment of your order.
 Shall we make partial ship-
 ment, balance to follow? Tenant
 Instructions by mail. Tenantry
 Prepay freight. Gerard
 Send by freight. Draft at-
 tached to bill of lading
 through—Bank. Tendency
 Send by express C. O. D. Tender
 Send tracer immediately after
 shipment of the. Giles
 Shall we ship by express C.
 O. D.? Tenderly

Shall we ship by freight; draft
 attached to bill lading? If
 any bank preferred, advise
 immediately. Tenderness
 Ship by Parcel Post. Santa
 Ship by Adams Express. Tightly
 Ship by American Express. Tightness
 Ship by National Express. Tigress
 Ship by U. S. Express. Tigrish
 Ship by Wells Fargo Express. Tile
 Ship by boat. Tendinous
 Ship by express. Godfrey
 Ship by freight. Gustavus
 Shipping instructions will be
 sent you. Henry
 Shipped by express on the. Horatio
 Shipped by freight on the. Hosea
 Telegraph shipping instruc-
 tions for your order of. Hugh
 Wait receipt of letter before
 proceeding with order. Tendril
 Will ship by express C. O. D. Tendrous
 Will ship by freight D. B. L. Tenement
 We await your instructions. Tenet
 We are holding for shipping
 instructions. Tenfold

TELEGRAPH CODE

CODE WORDS FOR QUOTATIONS

At what price can you furnish? Isaac
 Cannot make better price..... Israel
 In response to your inquiry we
 quote in the order noted in
 your letter or telegram as fol-
 lows Tennis
 Quote us by return mail..... James
 Quote us by return mail, stating
 how soon you can ship..... Jeremiah
 Quote us by telegraph Jacob
 Quotations withdrawn; see re-
 vised prices to-day's letter... Tenon
 Referring to your order received
 to-day, dated _____ item of
 _____ should be priced at
 _____ Cannot do better.
 Shall we ship at the price?... Tense

See our quotation of the _____
 price on _____. Can now
 quote..... Tensesness
 Telegraph lowest price and how
 soon you can ship..... John
 We cannot accept at the price.. Joseph
 We quote..... Jonas
 We quote for shipment from
 factory Tension
 We quote for shipment from
 stock Tent
 We quote subject to immediate
 acceptance Tentad
 We will equalize freight with .. Tenth

CODE WORDS FOR TERMS

As we have no knowledge of
 your financial responsibility,
 we will ship express C. O. D.
 (or freight D. B. L.)..... Tenthly
 Cannot accept at the terms you
 make Tenuity
 Cash on delivery Tenure
 Express to be paid by..... Tentacular

Freight to be paid by..... Tentative
 Net cash in 30 days..... Tepefaction
 Our terms are: Cash in full on
 the 15th of the month follow-
 ing date of purchase..... Tepefy
 Please honor our draft for..... Tepid
 Unless advised to the contrary,
 we will make sight draft on
 you for Tepidness

CODE WORDS FOR LETTERS AND TELEGRAMS

Advise freight rate here per 100 pounds on Teraphim
 Answer by mail Joshua
 Answer by telegraph Josiah
 Instructions by mail Judah
 Please give quantity desired. See yours of Terebinth
 Please specify quantity desired and trade number. See yours of Terete
 Our representative will call upon you about the Term
 Referring to our letter of Leonard
 Referring to your letter of Lawrence
 Referring to our telegram of Lewis
 Referring to your telegram of Leopold
 See catalogue page Termagancy
 Send your representative here at once. Will buy on the Termagant
 Telegraph night message Malcolm
 Telegraph immediately Luke
 Telegraph reply as soon as possible..... Marcus
 We are mailing you quotations to-day Terminable
 We have no letter from you..... Marmaduke
 We have no telegram from you..... Martin
 We mailed you full quotation on the Terminal
 We write you fully to-day..... Matthew
 What can you substitute in place of?..... Terminate
 Why do you not telegraph? Michael
 Why do you not telegraph answer to inquiry of? Moses
 Will write you fully in a day or two..... Maurice

WIRE SECTION



For over twenty-five years "O. K." weatherproof wires have been the acknowledged standard with the electrical trade, their reputation having been earned by a durable insulation, desirable finish, and uniform weights.



PLANT OF PHILLIPS INSULATED WIRE COMPANY, PAWTUCKET, R. I.

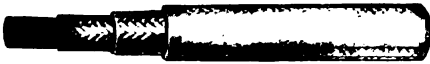
INSULATED CONDUCTORS



"O. K." Weatherproof—Triple Braid



Slowburning Weatherproof



Ideal Slowburning Wire



Weatherproof Iron Wire



Weatherproof Twisted Pairs



Annunciator Wire
One lb. Spools



Cross Section of
Concentric Strand



Damp-proof Office Wire



"Parac" Rubber Covered—Single Braid



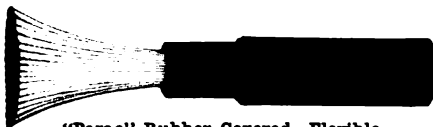
"Parac" Rubber Covered—Double Braid



"Parac" Rubber Covered—Stranded



"Parac" Rubber Covered—Duplex



"Parac" Rubber Covered—Flexible



"Parac" Telephone Wires

BARE COPPER CONDUCTORS

Round



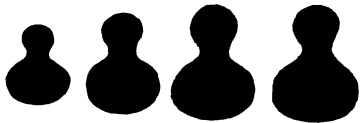
Tinned Copper Strand

Grooved



Hard Drawn Line Wires

Figure
Eight



$\frac{1}{8}$ $\frac{3}{16}$ $\frac{1}{4}$ $\frac{5}{16}$
Cross Sections of Trolley Wires

O. K. WEATHERPROOF WIRE STRANDED



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Trade No.	Capacity Circular Mils	Underwriters' Approved Carrying Capacity Amperes	APPROX. Wt. Per 1000 Ft.	LBS. Per Mile	Approx. Diam. over Insulation	CONCENT. Number Wires	STRANDS Each	PUT UP FOR SHIPMENT		
								Diam. Reels Inches	REELS Approx. Length Feet	Approx. Weight Pounds
10262	1000000	1000	3675	19400	1 1/4	61	.128	45	660	2425
10263	900000	920	3330	17600	1 3/8	61	.121	45	720	2400
10264	800000	840	3000	15800	1 1/2	61	.114	45	800	2400
10265	700000	760	2650	14000	1 5/8	61	.107	45	900	2385
10266	600000	680	2235	11800	1 3/4	61	.099	45	1000	2235
10267	500000	590	1900	10000	1 7/8	37	.116	48	1320	2560
10268	450000	545	1725	9100	2	37	.110	45	1320	2280
10269	400000	500	1550	8200	2 1/8	37	.104	45	1320	2020
10270	350000	450	1345	7100	2 1/4	37	.097	42	1500	2010
10271	300000	400	1175	6200	2 1/2	37	.090	42	1500	1760
10272	250000	350	985	5200	2 3/4	37	.082	42	2000	1970
10273	0000	312	800	4220	3	19	.105	45	2640	2110
10274	000	262	653	3450	3 1/4	19	.094	42	2640	1725
10275	00	220	522	2760	3 1/2	19	.083	36	2640	1380
10276	0	185	424	2240	3 3/4	19	.074	36	2640	1120
10277	0000	312	800	4220	4	19	.105	28	385	300
10278	000	262	653	3450	4 1/4	19	.094	28	450	300
10279	00	220	522	2760	4 1/2	19	.083	28	525	275
10280	0	185	424	2240	4 3/4	19	.074	28	650	275
10281	1	156	328	1735	5	7	.109	28	800	260
10282	2	131	270	1425	5 1/4	7	.098	28	1000	270
10283	3	110	206	1090	5 1/2	7	.086	28	1200	250
10284	4	92	170	900	5 3/4	7	.077	28	1500	255
10285	5	77	140	740	6	7	.068	28	2000	280
10286	6	65	115	610	6 1/4	7	.061	28	2500	285
10287	8	46	78	410	6 3/4	7	.048	28	2500	195

SOLID



Trade No.	Size B. & S.	Underwriters' Approved Carrying Capacity Amperes	APPROX. Wt. Per 1000 Ft.	LBS. Per Mile	Approx. Diam. over Insulation	Diam. Reels Inches	PUT UP FOR SHIPMENT			COILS Approx. Weight Pounds
							REELS Approx. Length Feet	Approx. Weight Pounds	CASES CONTAINING APPROX. 200 LBS. No. Coils Wt. Lbs.	
10288	0000	312	767	4050	2 1/2	42	2640	2025	..	...
10289	000	262	630	3320	2 3/4	42	2640	1660	..	...
10290	00	220	502	2650	3	36	2640	1325	..	...
10291	0	185	407	2150	3 1/4	36	2640	1075	..	...
10292	0000	312	767	4050	3 1/2	28	325	250	..	...
10293	000	262	630	3320	3 3/4	28	400	250	..	...
10294	00	220	502	2650	4	28	500	250	..	...
10295	0	185	407	2150	4 1/4	28	625	250	..	...
10296	1	156	318	1670	4 1/2	28	800	250	..	125
10297	2	131	260	1370	5	28	1000	260	..	130
10298	3	110	200	1050	5 1/4	28	1250	250	..	125
10299	4	92	164	865	5 1/2	28	1600	260	..	130
10300	5	77	134	710	6	28	2000	270	..	135
10301	6	65	112	590	6 1/4	28	2500	280	..	140
10302	8	46	75	395	6 3/4	28	2700	200	..	100
10303	10	32	53	280	7	28	3300	170	..	85
10304	8	46	75	395	7 1/4	..	....	..	8	25
10305	10	32	53	280	7 1/2	..	....	..	8	25
10306	12	23	35	185	7 3/4	..	....	..	8	25
10307	14	16	25	130	8	..	....	..	8	25
10308	16	8	14	75	8 1/2	..	....	..	12	17
10309	18	5	11	58	9	..	....	..	12	17

On account of market fluctuations, prices are quoted on application only.

This wire is insulated with three close cotton braids, all thoroughly saturated with O. K. Weatherproof Compound. The outer braid is smoothly polished.



O. K. SLOW BURNING WEATHERPROOF WIRE

STRANDED



Trade No.	Capacity Circular Mils	Underwriters' Approved Carrying Capacity Amperes	APPROX. Per 1000 Ft.	Wt., Lbs. Per Mile	Approx. Diam., In. over Insulation	CONCEN. Number Wires	STRANDS Diam. Each	PUT UP FOR SHIPMENT		
								Diam. Reels Inches	Approx. Length Feet	Approx. Weight Pounds
10473	1000000	1000	3860	20400	1 1/4	61	.128	45	660	2545
10474	900000	920	3520	18600	1 1/8	61	.121	45	720	2535
10475	800000	840	3180	16800	1 1/4	61	.114	45	800	2545
10476	700000	760	2820	14900	1 1/4	61	.107	45	900	2540
10477	600000	680	2350	12400	1 1/2	61	.099	45	1000	2350
10478	500000	590	1990	10500	1 1/4	37	.116	45	1320	2625
10479	450000	545	1820	9600	1 1/4	37	.110	45	1320	2400
10480	400000	500	1650	8700	1 1/2	37	.104	45	1320	2175
10481	350000	450	1440	7600	1 1/4	37	.097	42	1500	2160
10482	300000	400	1270	6700	1 1/2	37	.090	42	1500	1905
10483	250000	350	1060	5600	7/8	37	.082	42	2000	2120
10484	0000	312	900	4750	3/4	19	.105	45	2640	2375
10485	000	262	735	3880	1/2	19	.094	42	2640	1940
10486	00	220	583	3080	1/4	19	.083	36	2640	1540
10487	0	185	480	2530	3/8	19	.074	36	2640	1265
10488	0000	312	900	4750	3/4	19	.105	28	375	335
10489	000	262	735	3880	1/2	19	.094	28	450	335
10490	00	220	583	3080	1/4	19	.083	28	525	310
10491	0	185	480	2530	3/8	19	.074	28	650	310
10492	1	156	355	1870	1/4	7	.109	28	800	285
10493	2	131	290	1540	1/4	7	.098	28	1000	290
10494	3	110	240	1270	1/4	7	.086	28	1200	290
10495	4	92	195	1030	1/4	7	.077	28	1500	290
10496	5	77	160	845	3/8	7	.068	28	2000	320
10497	6	65	132	695	1/2	7	.061	28	2500	330
10498	8	46	87	460	3/2	7	.048	28	2500	220

SOLID



Trade No.	Size B. & S. Gauge	Underwriters' Approved Carrying Capacity Amperes	APPROX. Per 1000 Ft.	Wt., Lbs. Per Mile	Approx. Diam. In. over Insulation	REELS			PUT UP FOR SHIPMENT		
						Diam. Reels Inches	Approx. Length Feet	Approx. Weight Pounds	CASES CONTAINING APPROX. 200 Lbs. No. Coils	Coils Approx. Weight Pounds	
10499	0000	312	862	4550	3/4	42	2640	2275	....	....	....
10500	000	262	710	3750	1/2	42	2640	1875	....	....	....
10501	00	220	562	2970	1/4	36	2640	1485	....	....	....
10502	0	185	462	2440	3/8	36	2640	1220	....	....	....
10503	0000	312	862	4550	3/4	28	325	280	....	....	....
10504	000	262	710	3750	1/2	28	400	280	....	....	....
10505	00	220	562	2970	1/4	28	500	280	....	....	....
10506	0	185	462	2440	3/8	28	625	285	....	....	....
10507	1	156	340	1800	1/4	28	800	270	....	....	135
10508	2	131	280	1480	1/4	28	1000	280	....	....	140
10509	3	110	230	1220	1/4	28	1250	290	....	....	145
10510	4	92	190	1000	1/4	28	1600	300	....	....	150
10511	5	77	155	820	3/8	28	2000	310	....	....	155
10512	6	65	127	670	1/2	28	2500	320	....	....	160
10513	8	46	85	450	3/4	....	....	....	8	25	....
10514	10	32	60	315	1	....	....	....	8	25	....
10515	12	23	42	220	1 1/4	....	....	....	8	25	....
10516	14	16	30	160	1 1/2	....	....	....	8	25	....
10517	16	8	15	80	1 3/4	....	....	....	12	17	....
10518	18	5	12	63	1 7/8	....	....	....	12	17	....

On account of market fluctuations, prices are quoted on application only.

This wire has two inner braids saturated with a white fireproof compound and an outer braid saturated with O. K. Black Weatherproof Compound. The outer braid is smoothly polished.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



O. K. SLOW BURNING WIRE

STRANDED



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Trade No.	Capacity Circular Mils	APPROX. WT., LBS.		Approx. Diam., In. Over Insulation	CONCENTRIC Number Wires	STRANDS Diam. Each	PUT UP FOR SHIPMENT		
		Per 1000 Ft.	Per Mile				Diam. Reels Inches	REELS Approx. Length Feet	Approx. Weight Pounds
10416	1000000	3980	21000	1 3/8	61	.128	45	660	2600
10417	900000	3640	19200	1 1/8	61	.121	45	720	2600
10418	800000	3280	17300	1 1/4	61	.114	45	800	2600
10419	700000	2920	15400	1 1/2	61	.107	45	900	2600
10420	600000	2460	13000	1 3/4	61	.099	45	1000	2500
10421	500000	2080	11000	1 1/2	37	.116	45	1320	2750
10422	450000	1900	10000	1 1/4	37	.110	45	1320	2500
10423	400000	1700	9000	1 1/4	37	.104	45	1320	2250
10424	350000	1500	7900	1 1/4	37	.097	42	1500	2250
10425	300000	1310	6900	1 1/4	37	.090	42	1500	1950
10426	250000	1120	5900	7/8	37	.082	42	2000	2250
10427	0000	960	5070	3/4	19	.105	45	2640	2535
10428	000	785	4150	3/4	19	.094	42	2640	2075
10429	00	625	3300	3/4	19	.083	36	2640	1650
10430	0	510	2700	3/4	19	.074	36	2640	1350
10431	0000	960	5070	3/4	19	.105	28	375	360
10432	000	785	4150	3/4	19	.094	28	450	350
10433	00	625	3300	3/4	19	.083	28	525	375
10434	0	510	2700	3/4	19	.074	28	650	330
10435	1	380	2000	3/4	7	.109	28	800	300
10436	2	335	1770	3/4	7	.098	28	1000	335
10437	3	280	1480	3/4	7	.086	28	1200	335
10438	4	230	1220	3/4	7	.077	28	1500	340
10439	5	195	1030	3/4	7	.068	28	2000	390
10440	6	165	870	3/4	7	.061	28	2500	410
10441	8	105	555	3/4	7	.048	28	2500	260

SOLID



Trade No.	Size B. & S. Gauge	APPROX. WT., LBS.		Approx. Diam., In. Over Insulation	PUT UP FOR SHIPMENT			COILS	
		Per 1000 Ft.	Per Mile		Diam. Reels Inches	REELS Approx. Length Feet	Approx. Weight Pounds	CASES Approx. Containing 200 Lbs. No. Coils	Approx. Weight Pounds
10442	0000	925	4890	3/4	42	2640	2450	..	....
10443	000	760	4020	3/4	42	2640	2000	..	....
10444	00	600	3170	3/4	36	2640	1600	..	....
10445	0	495	2610	3/4	36	2640	1300	..	....
10446	0000	925	4890	3/4	28	325	300	..	....
10447	000	760	4020	3/4	28	400	300	..	....
10448	00	600	3170	3/4	28	500	300	..	....
10449	0	495	2610	3/4	28	625	310	..	....
10450	1	365	1930	3/4	28	800	290	..	150
10451	2	320	1690	3/4	28	1000	320	..	160
10452	3	270	1425	3/4	28	1250	340	..	170
10453	4	220	1160	3/4	28	1600	350	..	175
10454	5	190	1000	3/4	28	2000	380	..	190
10455	6	160	845	3/4	28	2500	400	..	200
10456	8	100	530	3/4	..	....	..	8	25
10457	10	80	420	3/4	..	....	..	8	25
10458	12	55	290	3/4	..	....	..	8	25
10459	14	40	210	3/4	..	....	..	8	25
10460	16	18	95	3/4	..	....	..	12	17
10461	18	14	75	3/4	..	....	..	12	17

On account of market fluctuations, prices quoted on application only.

This wire has three close braids of cotton, all saturated with a white fireproof compound. The compound used on the outer braid becomes very hard, but the wire still retains its flexibility. As this insulation does not deteriorate in a continued high temperature, it is especially suitable for engine and boiler rooms, furnaces and foundries.

OFFICE, ANNUNCIATOR AND MAGNET WIRE

DAMP-PROOF OFFICE WIRE

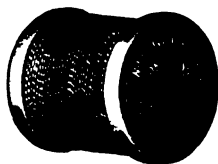
This wire has two winds of cotton yarn applied in opposite directions, saturated with black O. K. Weatherproof Compound. The braid is treated with wax and highly polished.

TRADE No.		Size B. & S.		Approx. Wt. Lbs. per 1000 Ft.	Approx. Ft. per Lb.
17-lb. Coils	5-lb. Spools				
10215	10220	12		34	29.4
10216	10221	14		24	41.7
10217	10222	16		13.5	74
10218	10223	18		10	100
Double-Conductor					
10225	36351	12		68	58.8
10226	36352	14		48	83.4
10227	36353	16		27	148
10228	36354	18		20	200

Standard colors are red, red and white, blue, blue and white. In ordering, specify color.

ANNUNCIATOR WIRE

This wire is insulated with two winds of cotton yarn applied in opposite directions. Regular wire is saturated with a special wax compound and highly polished.



TRADE No.		Size B. & S.		Approx. Wt. Lbs. per 1000 Ft.	Approx. Ft. per Lb.
8-lb. Spools	1-lb. Spools	1-lb. Coils			
10235	10239	10243	14	15	66.6
10236	10240	10244	16	9.5	105
10237	10241	10245	18	6.5	153.8
10238	10242	10246	20	4.5	222.2

In ordering, specify color desired. Following colors are standard: Red, brown, olive, blue, white, yellow, red and white, blue and white.

Weatherproof Annunciator Wire

Weatherproof annunciator wire is saturated with the regular weatherproof compound.

TRADE No.		Size B. & S.		Approx. Wt. Lbs. per 1000 Ft.	Approx. Ft. per Lb.
8-lb. Spools	1-lb. Spools	1-lb. Coils			
36361	36362	36363	18	6.5	153.8

Furnished in black only.

Double-Conductor, Twisted, Plain Copper

Trade No.	Size B. & S.	Approx. Ft. per Lb.	Trade No.	Size B. & S.	Approx. Ft. per Lb.
36364	19	82	36365	22	167
Single-Conductor, Tinned Copper					
36366	19	165	36367	22	340
Double-Conductor, Twisted, Tinned Copper					
36368	19	82	36369	22	167

Prices quoted on application.

ENAMELED MAGNET WIRE

Enamel insulation has a dielectric strength far in excess of silk or cotton covered wire. It will also withstand a much greater heat, as silk and cotton insulation will char at 270° Fahr., whereas enamel insulation will withstand 450° Fahr. without the slightest deterioration.

Another decided feature about enamel insulation is the economy of space where this material is used for coil windings, and it takes up much less space than the single silk insulation. This feature is a very important one, especially to manufacturers of electrical instruments and apparatus where space economy is so essential.

Our enamel adheres tenaciously and will withstand any reasonable amount of handling without injury.

Trade No.	Size B. & S.	Diam. Enam. Wire	Approx. Feet per Lb.	Price per Lb.	Trade No.	Size B. & S.	Diam. Enam. Wire	Approx. Feet per Lb.	Price per Lb.
34675	19	.....	253	\$0.86	34684	28	.0136	2042	\$1.40
34676	20	.0337	320	.88	34685	29	.0122	2570	1.53
34677	21	.0302	404	.90	34686	30	.0109	3240	1.70
34678	22	.0269	509	.92	34687	31	.0097	4082	1.92
34679	23	.0241	642	.96	34688	32	.0087	5132	2.16
34680	24	.0215	810	1.02	34689	33	.0077	6445	2.46
34681	25	.0192	1019	1.10	34690	34	.0069	8093	2.90
34682	26	.0171	1286	1.20	34691	35	.0062	10197	3.38
34683	27	.0153	1620	1.30	34692	36	.0055	12813	3.93

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



O. K. WEATHERPROOF WIRE

WEATHERPROOF HARD-DRAWN COPPER WIRE

Triple Braid



Trade No.	Size B. & S.	Capacity Circular Mils	Approx. Wt., Lbs. per Mile	Length of Colls. Miles
10201	8	16510	395	$\frac{1}{2}$
10202	9	13094	325	$\frac{1}{2}$
10203	10	10382	280	$\frac{1}{2}$
10204	12	6530	185	$\frac{1}{2}$
10205	14	4107	130	$\frac{1}{2}$

WEATHERPROOF IRON WIRE



Trade No.	Size B. W. G.	Length of Colls. Miles	Double Braid	Triple Braid
			Approx. Wt., Lbs. per Mile	Approx. Wt., Lbs. per Mile
10206	8	$\frac{1}{4}$	470	520
10207	9	$\frac{1}{4}$	400	450
10208	10	$\frac{1}{2}$	350	400
10209	12	$\frac{1}{2}$	230	260
10210	14	$\frac{1}{2}$	150	175

WEATHERPROOF TELEPHONE WIRE

Twisted Pair



This wire is for inside use only. Each wire is insulated with two reversed winds of cotton yarn, covered with a close protecting braid, all thoroughly saturated with O. K. Black Weatherproof Compound, and finished with a hard lasting polish. The conductors are then twisted together.

Trade No.	Size B. & S.	Approx. Wt., Lbs. per 1000 Ft.	IN CASES, WT., APPROX., 200 LBS.	
			No. Colls	Lbs. Each
10214	19	20	12	17

SPRING BRASS WIRE

Trade No.	Size B. & S.	Price per Lb.	Trade No.	Size B. & S.	Price per Lb.	Trade No.	Size B. & S.	Price per Lb.	Trade No.	Size B. & S.	Price per Lb.
41572	0 to 10	\$0.30	41578	23	\$0.35	41584	29	\$0.52	41590	35	\$0.77
41573	11 to 16	.30 $\frac{1}{2}$	41579	24	.37	41585	30	.55	41591	36	.83
41574	17 and 18	.31	41580	25	.39	41586	31	.58	41592	37	1.07
41575	19 and 20	.32	41581	26	.42	41587	32	.62	41593	38	1.37
41576	21	.33	41582	27	.45	41588	33	.66	41594	39	2.07
41577	22	.34	41583	28	.49	41589	34	.71	41595	40	2.67

TINNED STEEL ARMATURE BANDING WIRE

A Grade				B Grade				A Grade				B Grade			
115000 POUNDS PER SQUARE INCH				200000 POUNDS PER SQUARE INCH				115000 POUNDS PER SQUARE INCH				200000 POUNDS PER SQUARE INCH			
Size B. & S.	Diam. Mils.	Trade No.	Strength Pounds	Trade No.	Strength Pounds	Size B. & S.	Diam. Mils.	Trade No.	Strength Pounds	Trade No.	Strength Pounds	Trade No.	Strength Pounds	Trade No.	Strength Pounds
10	101.9	12333	938	12335	1631	19	35.9	052673	116	12346	202	12347	161	12348	128
11	90.7	12334	743	12336	1292	20	32	052674	92.5	12349	101	12350	80.2	12351	63.5
12	80.8	052666	590	12337	1026	21	28.5	052675	73.4	12352	50.3	12353	39.7	12354	30.2
13	72	052667	468	12338	814	22	25.3	052676	57.8	12355	25.2	12356	20.2	12357	15.2
14	64.1	052668	371	12339	645	23	22.6	052677	46.1	12358	15.2	12359	10.2	12360	7.2
15	57.1	052669	294	12340	512	24	20.1	052678	36.5	12361	10.2	12362	7.2	12363	5.2
16	50.8	052670	233	12341	405	25	17.9	12344	28.9	12364	7.2	12365	5.2	12366	3.2
17	45.3	052671	185	12342	322	26	15.9	12345	22.8	12367	3.2	12368	2.2	12369	1.2
18	40.3	052672	147	12343	255	..	....	.....	.....	.....	.....	.....	.....	.....	.....

Prices quoted on application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



BARE COPPER WIRE

ANNEALED AND HARD DRAWN

STRANDED



Capacity Circular Mils	WEIGHT		REGULAR STYLE OF		Diam. Strand Mils	Capacity B. & S. Gauge	WEIGHT		REGULAR STYLE OF		Diam. of Strand Mils
	per 1000 Ft.	per Mile	No. Wires	Diam. Each			per 1000 Ft.	per Mile	No. Wires	Diam. Each	
2000000	6180	32640	91	148	1630	0000	652	3442	19	105	525
1750000	5409	28560	91	139	1530	000	517	2730	19	94	470
1500000	4635	24480	91	128	1410	00	410	2165	19	84	420
1250000	3864	20100	91	117	1288	0	325	1717	19	75	375
1000000	3090	16320	61	128	1151	1	258	1361	7	109	327
950000	2936	15504	61	125	1125	2	204	1079	7	98	294
900000	2780	14688	61	121	1089	3	162	855	7	87	261
850000	2627	13872	61	118	1061	4	128	680	7	77	231
800000	2472	13056	61	115	1034	5	102	538	7	69	207
750000	2318	12240	61	111	998	6	80	427	7	61.2	183
700000	2164	11424	61	107	963	8	51	268	7	48.4	145
650000	2010	10608	61	103	928	10	32	169	7	38.6	116
600000	1854	9792	61	99	891	12	20	108	7	30.6	91.8
550000	1700	8976	61	95	855	14	13	67	7	24.2	72.6
500000	1545	8160	37	116	812	16	8	42	7	19.3	57.9
450000	1390	7344	37	110	770	18	5	26	7	15.1	45.3
400000	1236	6528	37	104	729	..	..	..	..	..	..
350000	1082	5712	37	97	679	..	..	..	..	..	..
300000	927	4896	37	90	630	..	..	..	..	..	..
250000	772	4080	37	82	574	..	..	..	..	..	..

SOLID

B. & S. Gauge	Diam. in Mils	Cap. C. M.	WEIGHT		B. & S. Gauge	Diam. in Mils	Cap. C. M.	WEIGHT	
			per 1000 Ft.	per Mile				per 1000 Ft.	per Mile
0000	460	211600	639	3376	9	114	13094	40	209
000	410	167803	507	2677	10	102	10382	31	166
00	365	133079	402	2123	11	91	8234	25	131
0	325	105534	319	1684	12	81	6530	20	104
1	289	83694	253	1335	13	72	5178	16	83
2	258	66373	201	1059	14	64	4107	13	66
3	229	52634	159	840	15	57	3257	10	52
4	204	41743	126	666	16	51	2583	8	41
5	182	33102	100	528	17	45	2048	6	33
6	162	26251	79	419	18	40	1624	5	26
7	144	20817	63	332	19	36	1288	4	21
8	128	16510	50	263	20	32	1022	3	16

Owing to frequent change in market prices, quotations are made on application only.

Round

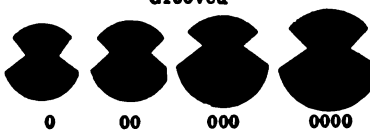
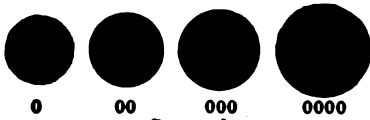
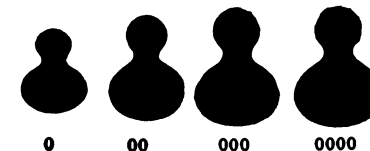


Figure 8



TROLLEY WIRE

Round	TRADE NUMBER		Size B. & S. Gauge	Capacity Circ lar Mils	Pounds per Mile
	Grooved	Figure 8			
10178	10182	10186	0000	211600	3376
10179	10183	10187	000	167805	2677
10180	10184	10188	00	133079	2123
10181	10185	10189	0	105538	1684

Hard-drawn trolley wires are furnished in any of the standard styles, round, grooved, or figure eight. Sizes 0000 and 000 put up in one-half mile lengths; Nos. 00 and 0 are furnished in one-half or one-mile lengths. The cross sections of the various styles and sizes are shown herewith.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PARAC RUBBER COVERED WIRE
1911 NATIONAL ELECTRICAL CODE SPECIFICATIONS—0-600 VOLTS
STRANDED CONDUCTOR



Capacity Circular Mils	Approved Carrying Capacity Amperes	CONCENTRIC STRANDS No.	Diam. Each	Rubber Wall Inches	Single Braid Approx. Diam. Over All, In.	Approx. Wt., Lbs. per 1000 Ft.	Double Braid Approx. Diam. Over All, In.	Approx. Wt., Lbs. per 1000 Ft.	Number of Wires	Flexible Size Wires	Diam. Over All Inches	Wt. per 1000 Ft. Lbs.
1000000	650	61	.128	$\frac{7}{64}$	$1\frac{1}{2}$	3754	$1\frac{5}{8}$	3849	...	...	...	...
900000	600	61	.121	$\frac{7}{64}$	$1\frac{1}{8}$	3404	$1\frac{1}{2}$	3491	...	...	...	...
800000	550	61	.115	$\frac{7}{64}$	$1\frac{3}{8}$	3058	$1\frac{1}{2}$	3138	...	...	...	...
700000	500	61	.107	$\frac{7}{64}$	$1\frac{1}{4}$	2709	$1\frac{1}{2}$	2880	...	...	...	...
600000	450	61	.099	$\frac{7}{64}$	$1\frac{1}{4}$	2355	$1\frac{3}{8}$	2418	...	...	...	...
500000	390	37	.116	$\frac{3}{32}$	$1\frac{1}{8}$	1959	$1\frac{1}{4}$	2010	...	...	...	...
450000	...	37	.110	$\frac{3}{32}$	$1\frac{1}{8}$	1791	$1\frac{1}{4}$	1840	...	...	...	...
400000	330	37	.104	$\frac{3}{32}$	$1\frac{1}{4}$	1608	$1\frac{1}{4}$	1650	...	...	...	...
350000	...	37	.097	$\frac{3}{32}$	1	1431	$1\frac{1}{8}$	1468	...	...	...	...
300000	270	37	.090	$\frac{3}{32}$	$1\frac{1}{8}$	1250	$1\frac{1}{8}$	1285	...	...	...	...
250000	...	37	.082	$\frac{3}{32}$	$1\frac{1}{8}$	1071	1	1103	...	...	...	...
B. & S.												
0000	210	19	.105	$\frac{5}{64}$	$\frac{3}{4}$	899	$\frac{15}{16}$	942	665	.0179	$\frac{53}{64}$	899
000	177	19	.094	$\frac{5}{64}$	$\frac{3}{4}$	740	$\frac{7}{8}$	782	532	.0179	$\frac{41}{64}$	740
00	150	19	.083	$\frac{5}{64}$	$\frac{13}{16}$	607	$\frac{15}{16}$	647	418	.0179	$\frac{49}{64}$	607
0	127	19	.074	$\frac{5}{64}$	$\frac{9}{16}$	492	$\frac{11}{16}$	526	323	.0179	$\frac{41}{64}$	492
1	107	19	.066	$\frac{5}{64}$	$\frac{9}{16}$	387	$\frac{11}{16}$	417	259	.0179	$\frac{41}{64}$	387
2	90	19	.059	$\frac{1}{16}$	$\frac{1}{2}$	303	$\frac{11}{16}$	329	210	.0179	$\frac{37}{64}$	303
3	76	7	.086	$\frac{1}{16}$	$\frac{1}{2}$	249	$\frac{9}{16}$	272	49	.0327	$\frac{37}{64}$	249
4	65	7	.077	$\frac{1}{16}$	$\frac{1}{2}$	204	$\frac{11}{16}$	227	49	.0291	$\frac{37}{64}$	207
5	54	7	.068	$\frac{1}{16}$	$\frac{1}{2}$	175	$\frac{1}{2}$	192	49	.026	$\frac{37}{64}$	173
6	46	7	.061	$\frac{1}{16}$	$\frac{3}{8}$	141	$\frac{11}{16}$	156	49	.023	$\frac{37}{64}$	147
8	33	7	.048	$\frac{3}{64}$	$\frac{1}{2}$	90	$\frac{11}{16}$	103	49	.0183	$\frac{37}{64}$	93
10	24	7	.039	$\frac{3}{64}$	$\frac{1}{2}$	65	$\frac{3}{8}$	72	35	.0179	$\frac{37}{64}$	64
12	17	7	.031	$\frac{3}{64}$	$\frac{1}{2}$	48	$\frac{11}{16}$	55	41	.0126	$\frac{13}{16}$	48
14	12	7	.024	$\frac{3}{64}$	$\frac{1}{2}$	36	$\frac{11}{16}$	40	26	.0126	$\frac{13}{16}$	36

SOLID CONDUCTOR



Size B. & S.	Capacity Circular Mils	Approved Carrying Capacity Amperes	Rubber Wall Inches	Diameter over Rubber Mils	Single Braid Approx. Diam. Over All, In.	Approx. Wt., Lbs. per 1000 Ft.	Double Braid Approx. Diam. Over All, In.	Approx. Wt., Lbs. per 1000 Ft.
0	105534	127	$\frac{5}{64}$	481	$\frac{11}{16}$	452	$\frac{11}{16}$	476
1	83695	107	$\frac{5}{64}$	445	$\frac{11}{16}$	355	$\frac{5}{8}$	376
2	66373	90	$\frac{1}{16}$	383	$\frac{11}{16}$	275	$\frac{9}{16}$	295
3	52634	76	$\frac{1}{16}$	355	$\frac{11}{16}$	227	$\frac{11}{16}$	245
4	41743	65	$\frac{1}{16}$	329	$\frac{11}{16}$	186	$\frac{11}{16}$	200
5	33102	54	$\frac{1}{16}$	307	$\frac{11}{16}$	160	$\frac{11}{16}$	170
6	26250	46	$\frac{1}{16}$	287	$\frac{9}{16}$	128	$\frac{11}{16}$	135
8	16510	33	$\frac{3}{64}$	223	$\frac{11}{16}$	80	$\frac{11}{16}$	86
10	10382	24	$\frac{3}{64}$	196	$\frac{11}{16}$	58	$\frac{11}{16}$	64
12	6530	17	$\frac{3}{64}$	175	$\frac{7}{8}$	43	$\frac{7}{8}$	48
14	4107	12	$\frac{3}{64}$	158	$\frac{11}{16}$	32	$\frac{1}{4}$	37
16	2583	6	$\frac{3}{64}$	114	$\frac{3}{8}$	20	..	..
18	1624	3	$\frac{3}{64}$	103	$\frac{11}{16}$	16	..	..

TWIN, SOLID



Two single braided wires, laid parallel, with a braid over all for unlined conduits.

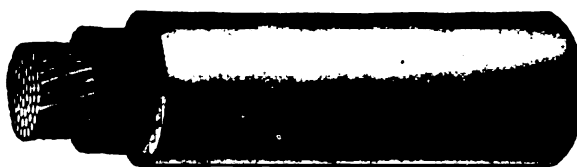
Size B. & S.	Capacity Circular Mils	Approved Carrying Capacity Amperes	Rubber Wall Inches	Diameter over Rubber Mils	Approx. Diam. over All, In.	Approx. Wt., Lbs. per 1000 Ft.
8	16510	33	$\frac{3}{64}$	223	$\frac{11}{16}$	170
10	10382	24	$\frac{3}{64}$	196	$\frac{11}{16}$	125
12	6530	17	$\frac{3}{64}$	175	$\frac{7}{8}$	94
14	4107	12	$\frac{3}{64}$	158	$\frac{11}{16}$	73

Prices Quoted on Application

LEAD COVERED CABLES

1911 NATIONAL ELECTRICAL CODE SPECIFICATIONS—0 TO 600 VOLTS

CIRCULAR MIL CABLES



Trade No.	Size C. M.	No. of Strands	Diam. of Copper Inches	Thickness of Rubber Inches	Thickness of Lead Inches	Outside Diam., In.	Approx. Wt., Lbs. per 1000 Ft.
078801	2000000	91	1.623	$\frac{3}{32}$	$\frac{7}{32}$	2.12	11300
078802	1750000	91	1.518	$\frac{3}{32}$	$\frac{7}{32}$	2.03	10225
078803	1500000	91	1.403	$\frac{3}{32}$	$\frac{7}{32}$	1.91	9100
078804	1250000	91	1.272	$\frac{3}{32}$	$\frac{7}{32}$	1.78	7960
078805	1000000	61	1.148	$\frac{3}{32}$	$\frac{7}{32}$	1.59	6280
078806	950000	61	1.116	$\frac{7}{64}$	$\frac{6}{32}$	1.56	6045
078807	900000	61	1.085	$\frac{7}{64}$	$\frac{6}{32}$	1.53	5810
078808	850000	61	1.058	$\frac{7}{64}$	$\frac{6}{32}$	1.50	5580
078809	800000	61	1.026	$\frac{7}{64}$	$\frac{6}{32}$	1.47	5345
078810	750000	61	.990	$\frac{7}{64}$	$\frac{6}{32}$	1.44	5110
078811	700000	61	.959	$\frac{7}{64}$	$\frac{6}{32}$	1.41	4880
078812	650000	61	.923	$\frac{7}{64}$	$\frac{6}{32}$	1.38	4640
078813	600000	61	.887	$\frac{7}{64}$	$\frac{6}{32}$	1.34	4385
078814	550000	61	.851	$\frac{7}{64}$	$\frac{6}{32}$	1.33	4150
078815	500000	61	.810	$\frac{6}{32}$	$\frac{5}{32}$	1.20	3480
078816	450000	37	.770	$\frac{6}{32}$	$\frac{5}{32}$	1.19	3230
078817	400000	37	.728	$\frac{6}{32}$	$\frac{5}{32}$	1.11	3000
078818	350000	37	.676	$\frac{6}{32}$	$\frac{5}{32}$	1.08	2750
078819	300000	37	.630	$\frac{6}{32}$	$\frac{5}{32}$	1.02	2480
078820	250000	37	.574	$\frac{6}{32}$	$\frac{5}{32}$	.95	2230

STRANDED, SINGLE

Trade No.	Size B. & S.	No. of Strands	Thickness of Rubber Inches	Thickness of Lead Inches	Outside Diam., In.	Wt., Lbs. per 1000 Ft.
078821	0000	19	$\frac{3}{32}$	$\frac{5}{32}$	.84	1720
078822	000	19	$\frac{3}{32}$	$\frac{5}{32}$	.78	1490
078823	00	19	$\frac{3}{32}$	$\frac{5}{32}$	.73	1300
078824	0	19	$\frac{3}{32}$	$\frac{5}{32}$	.69	1150

Trade No.	Size B. & S.	No. of Strands	Thickness of Rubber Inches	Thickness of Lead Inches	Outside Diam., In.	Wt., Lbs. per 1000 Ft.
078825	1	19	$\frac{3}{32}$	$\frac{5}{32}$	.66	1000
078826	2	19	$\frac{3}{32}$	$\frac{5}{32}$	.58	840
078827	4	7	$\frac{3}{32}$	$\frac{5}{32}$	.52	690
078828	6	7	$\frac{3}{32}$	$\frac{5}{32}$	.47	580

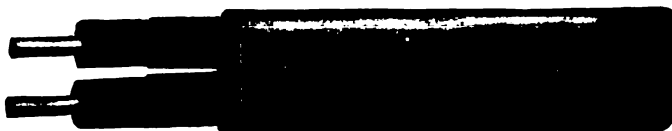
SOLID, SINGLE



Trade No.	Size B. & S.	Thickness of Rubber Inches	Thickness of Lead Inches	Outside Diam., In.	Wt., Lbs. per 1000 Ft.
078829	4	$\frac{3}{32}$	$\frac{5}{32}$	.52	645
078830	6	$\frac{3}{32}$	$\frac{5}{32}$	.47	535
078831	8	$\frac{3}{32}$	$\frac{5}{32}$	.35	325
078832	10	$\frac{3}{32}$	$\frac{5}{32}$	.33	285

Trade No.	Size B. & S.	Thickness of Rubber Inches	Thickness of Lead Inches	Outside Diam., In.	Wt., Lbs. per 1000 Ft.
078833	12	$\frac{3}{32}$	$\frac{3}{32}$.30	245
078834	14	$\frac{3}{32}$	$\frac{3}{32}$.28	220
078835	16	$\frac{3}{32}$	$\frac{3}{32}$.25	180
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SOLID, DUPLEX



Trade No.	Size B. & S.	Thickness of Rubber Inches	Thickness of Lead Inches	Outside Diam., In.	Wt., Lbs. per 1000 Ft.
078836	4	$\frac{3}{32}$	$\frac{5}{32}$	.48x.84	1085
078837	6	$\frac{3}{32}$	$\frac{5}{32}$	.45x.78	880
078838	8	$\frac{3}{32}$	$\frac{5}{32}$	.39x.66	670
078839	10	$\frac{3}{32}$	$\frac{5}{32}$	.33x.57	465

Trade No.	Size B. & S.	Thickness of Rubber Inches	Thickness of Lead Inches	Outside Diam., In.	Wt., Lbs. per 1000 Ft.
078840	12	$\frac{3}{32}$	$\frac{3}{32}$.30x.51	390
078841	14	$\frac{3}{32}$	$\frac{3}{32}$.28x.47	350
078842	16	$\frac{3}{32}$	$\frac{3}{32}$.25x.41	280
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Prices are quoted on application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SAFETY STEEL TAPED CABLES



Safety steel taped cables are the ideal means of underground transmission without the use of ducts or other forms of protection. The special construction guards against all disturbing elements, maintains efficiency and reliability of service and reduces the cost of installation. Nine insulating and protecting coverings surround the conductors.

The use of these cables is not confined to ornamental street lighting but is equally suitable for any underground transmission, and is extensively used in street railway work, large industrial plants, mines, etc.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

600 VOLTS, SOLID

Trade No.	Size B. & S.	Thickness Rubber Inches	Single-Conductor		Two-Conductor		Three-Conductor	
			Outside Diameter Inches	Approx. Wt., Lbs. per 1000 Ft.	Outside Diameter Inches	Approx. Wt., Lbs. per 1000 Ft.	Outside Diameter Inches	Approx. Wt., Lbs. per 1000 Ft.
54811	12	$\frac{1}{16}$	.687	850	.970	1375	1.030	1750
54812	10	$\frac{1}{16}$	.720	1200	1	1545	1.062	1900
54813	8	$\frac{1}{16}$	.750	1300	1.062	1700	1.125	2100
54814	6	$\frac{1}{16}$	.782	1365	1.125	2045	1.187	2500

600 VOLTS, STRANDED

54815	4	$\frac{1}{16}$	.875	1700	1.312	2185	1.375	3430
54816	2	$\frac{1}{16}$	.906	1875	1.437	2810	1.500	4010
54817	1	$\frac{5}{64}$	1	2065	1.625	3320	1.687	5120
54818	0	$\frac{5}{64}$	1.030	2200	1.687	3650	1.812	5650
54819	00	$\frac{5}{64}$	1.062	2400	1.750	3900	1.906	6250
54820	000	$\frac{5}{64}$	1.125	2600	1.875	4620	2.030	7125
54821	0000	$\frac{5}{64}$	1.187	2850	2	5145	2.156	8950

2400 VOLTS, SOLID

54822	12	$\frac{1}{8}$	.781	1415	1.188	2100	1.281	2790
54823	10	$\frac{1}{8}$	.813	1500	1.218	2265	1.328	3070
54824	8	$\frac{1}{8}$	.828	1550	1.250	2365	1.375	3165
54825	6	$\frac{1}{8}$	.859	1640	1.313	2535	1.453	3415

2400 VOLTS, STRANDED

54826	4	$\frac{1}{8}$	.938	1865	1.469	2970	1.609	4075
54827	2	$\frac{1}{8}$	1.015	2085	1.625	3700	1.734	5250
54828	1	$\frac{1}{8}$	1.047	2200	1.688	3840	1.828	5600
54829	0	$\frac{1}{8}$	1.094	2360	1.781	4120	1.921	6110
54830	00	$\frac{1}{8}$	1.140	2550	1.875	4575	2.046	6825
54831	000	$\frac{1}{8}$	1.218	2765	1.969	4950	2.156	7950
54832	0000	$\frac{1}{8}$	1.281	3500	2.094	6140	2.281	8800

5000 VOLTS, SOLID, FOR SERIES ARC CIRCUITS

54833	8	$\frac{1}{4}$	1.062	1680	1.375	2680	.....	....
54834	6	$\frac{1}{4}$	1.094	1800	1.500	2900	.....	....

5000 VOLTS, STRANDED, FOR SERIES ARC CIRCUITS

54835	4	$\frac{1}{4}$	1.156	2075	1.719	3685
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Prices will be quoted upon receipt of information, giving location of job, size and number of conductors desired, operating voltage and quantity of each size required.

WIRE AND CORD

NEW CODE FIXTURE WIRE

1911 NATIONAL ELECTRIC CODE SPECIFICATIONS—0 TO 600 VOLTS



Light Insulation, Solid

Trade No.	Size B. & S.	Approx. Diam., In.	Rubber Wall Inches	Approx. Wt., Lbs.
073720	18	$\frac{1}{8}$	$\frac{1}{8}$	12

Light Insulation, Stranded

36415	18	$\frac{1}{8}$	$\frac{1}{8}$	12
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Heavy Insulation, Solid

076893	16	$\frac{3}{16}$	$\frac{1}{2}$	20
076894	18	$\frac{1}{4}$	$\frac{1}{2}$	16

Heavy Insulation, Stranded

076911	16	$\frac{1}{4}$	$\frac{1}{2}$	29
076912	18	$\frac{1}{4}$	$\frac{1}{2}$	23

FLEXIBLE ASBESTOS CABLE

For Moving Picture Machines



Trade No.	Size B. & S.	Wt. Lbs. per 1000 Ft.	Trade No.	Size B. & S.	Wt. Lbs. per 1000 Ft.
36410	6	131	36413	12	46
36411	8	94	36414	14	35
36412	10	62	.....	..	..

FLEXIBLE HEATER CORD



Trade No.	Size B. & S.	No. Conductors	Trade No.	Size B. & S.	No. Conductors
075185	18	2	075190	14	3
075186	18	3	075191	12	2
075187	16	2	075192	12	3
075188	16	3	075193	10	2
075189	14	2	075194	10	3

This cord is required for use wherever flexible conductors are needed for connecting heaters to switches. It has a serviceable outer braid and is made according to National Code Specifications.

Prices quoted on application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LAMP AND PORTABLE CORD

NATIONAL ELECTRICAL CODE STANDARD—0-600 VOLTS

TYPE C TWISTED PAIR LAMP CORD



Two kinds of cord can be furnished—1911 and 1909 specifications. Specify kind desired, when ordering.

Cotton Trade No.	Silk Trade No.	Size B. & S.	No. of Wires in Each Conductor	Size B. & S. Each Wire	Cotton Wt., Lbs. per 1000 Ft.	Silk Wt., Lbs. per 1000 Ft.
073864	073871	10	104	30	95	91
073865	073872	12	65	30	69	66
073866	073873	14	41	30	50	47
073867	073874	16	26	30	37	34
073868	073875	18	16	30	29	26
073869	073876	20	10	30	24	20
073870	073877	22	6	30	20	17

Solid Colors—Silk Covered

No. 18 silk covered cord is regularly furnished in green and yellow, but can also be furnished in the following solid colors: Green, olive green, brown, maroon, red, yellow and brushed brass. Specify color desired, when ordering.

Trade No.	Size B. & S.	No. of Wires in Each Conductor	Size B. & S. Each Wire	Wt., Lbs. per 1000 Ft.
41231	18	16	30	26

SINGLE-CONDUCTOR LAMP CORD

Cotton

Single-conductor lamp cord can be furnished in yellow and brushed brass. Specify color desired, when ordering.

41230	18	16	30	15
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PARALLEL SILK COVERED LAMP CORD

No. 18 parallel silk covered lamp cord is regularly furnished in the following solid colors: Green, olive green, brown, maroon, yellow and brushed brass. Specify color desired, when ordering.

073886	18	16	30	26
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RE-ENFORCED PORTABLE CORD



Re-enforced portable cord consists of two-conductor lamp cord with seamless rubber jacket, and finished with cotton or silk braid.

Type P, 1/4-inch Rubber		Type PS, 1/4-inch Rubber	
Size B. & S.	Cotton only Trade No.	Cotton Trade No.	Silk Trade No.
14	41232	41235	41238
16	41233	41236	41239
18	41234	41237	41240

Type PS—Solid Colors—Silk Covered

No. 18 silk covered portable cord is regularly furnished in green and yellow, but can also be furnished in the following solid colors: Green, olive green, brown, maroon, red, yellow and brushed brass. Specify color desired, when ordering.

Trade No.	Size B. & S.	No. of Wires in Each Conductor	Size B. & S. Each Wire	Wt., Lbs. per 1000 Ft.
41241	18	16	30	63
Type PWP—Saturated Braid—1/4-inch Rubber				
49105	14	41	30	....
41242	16	26	30	82
41243	18	16	30	67

Prices Quoted on Application

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

RUBBER INSULATED CABLES

NATIONAL ELECTRICAL CODE STANDARD—0-600-VOLTS

BREWERY CORD, TYPE CB



Each conductor is made up of a copper wire strand insulated with Code thickness rubber, covered with a cotton braid and saturated with weatherproof compound having polished finish; two such conductors are then twisted into pairs, forming a flexible cord.

Trade No.	Size B. & S.	Outside Diameter Inches	Approx. Wt., Lbs. per 1000 Ft.	Trade No.	Size B. & S.	Outside Diameter Inches	Approx. Wt., Lbs. per 1000 Ft.
073825	10	$\frac{1}{32}$	128	073828	16	$\frac{1}{16}$	42
073826	12	$\frac{1}{16}$	94	073829	18	$\frac{1}{8}$	33
073827	14	$\frac{1}{8}$	65	.....	..	..	..

CANVASITE CORD, TYPE CC



This consists of two conductors stranded, Code thickness rubber and braided over all with one cotton braid saturated with weatherproof compound, then waxed and polished. This is identical in construction with brewery cord, but with the additional protection afforded by a weatherproof braid placed over all.

073830	10	$\frac{1}{32}$	190	073833	16	$\frac{1}{16}$	68
073831	12	$\frac{1}{16}$	105	073834	18	$\frac{1}{8}$	53
073832	14	$\frac{1}{8}$	83	.....	..	..	..

PACKING HOUSE CORD, TYPE PK. WP.



Packing house cord consists of two conductors stranded, rubber insulated, twisted together with jute filler, and finished with two weatherproof braids.

073835	10	$\frac{3}{32}$	180	073838	16	$\frac{1}{16}$	64
073836	12	$\frac{1}{8}$	135	073839	18	$\frac{1}{8}$	55
073837	14	$\frac{1}{4}$	110	.....	..	..	..

DECK CABLES, TYPE P. WP.



Consists of two stranded conductors insulated with Code thickness of rubber weatherproof braid, twisted together with jute filler and finished with a belt of rubber and a weatherproof braid.

073840	10	$\frac{3}{32}$	220	073843	16	$\frac{1}{16}$	100
073841	12	$\frac{1}{8}$	170	073844	18	$\frac{1}{8}$	90
073842	14	$\frac{1}{4}$	130	.....	..	..	..

Prices Quoted on Application

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

RUBBER INSULATED CABLES**NATIONAL ELECTRICAL CODE STANDARD—0-600 VOLTS****THEATER OR STAGE CABLES, TYPE T**

Consists of two flexible conductors, cotton wrapped, insulated with Code thickness of rubber braided, twisted together with jute filler and finished with two weatherproof braids.

Trade No.	Size B. & S.	Outside Diameter Inches	Approx. Wt., Lbs. per 1000 Ft.	Trade No.	Size B. & S.	Outside Diameter Inches	Approx. Wt., Lbs. per 1000 Ft.
073845	2	1 $\frac{1}{8}$	750	073849	8	1 $\frac{1}{2}$	255
073846	3	1 $\frac{3}{8}$	625	073850	10	1 $\frac{3}{4}$	180
073847	4	1 $\frac{1}{2}$	525	073851	12	1 $\frac{7}{8}$	135
073848	6	1 $\frac{3}{4}$	365	073852	14	1 $\frac{7}{8}$	110

BORDER LIGHT CABLES, TYPE B

Border light cable is exactly the same as theater or stage cable, but consists of more than two conductors.

Trade No.	Size B. & S.	Number of Conductors	Outside Diameter Inches	Wt., Lbs. per 1000 Ft.
073853	12	3	1 $\frac{1}{8}$	205
073854	12	4	1 $\frac{1}{8}$	235
073855	12	5	1 $\frac{1}{8}$	280
073856	12	6	1 $\frac{1}{8}$	320
073857	14	3	1 $\frac{1}{4}$	170
073858	14	4	1 $\frac{1}{4}$	200
073859	14	5	1 $\frac{1}{4}$	240
073860	14	6	1 $\frac{1}{4}$	270

ELEVATOR LIGHTING CABLES, TYPE P. WP.

Elevator lighting cable consists of two conductors, B. & S., rubber insulated, laid up with two steel supporting strands, cushioned with cotton. For short cables the steel strands are omitted. Two dry braids are placed over all.

073861	14	Each conductor composed of 26 No. 28 wires.
073862	16	Each conductor composed of 17 No. 28 wires.
073863	18	Each conductor composed of 17 No. 30 wires.

ELEVATOR CONTROL CABLES, TYPE E

These cables consist of from four to twelve conductors, No. 16 B. & S. gauge, stranded, rubber insulated to Code thickness, twisted together, and covered with three outside braids. Sometimes steel supporting strands are used.

These special cables are not thoroughly standardized and the above specifications are subject to modifications.

Owing to variations in specifications for the above cable, it will save trouble and confusion if customers will give the exact form of cable required, when ordering.

Prices Quoted on Application

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NEW CODE MINING MACHINE CABLES

NATIONAL ELECTRICAL CODE STANDARD—0-600 VOLTS

DUPLEX



The conductors are composed of 49 (7x7) tinned copper strands, insulated with Code thickness of rubber. Each conductor is finished with a weatherproof braid, the two conductors are then laid side by side and covered with two or three braids saturated with weatherproof compound, the outer braid being seine twine.

Trade No.	Size B. & S.	No. of Wires in Conductor	Double Braid		Approx. Wt. Lbs. per 1000 Ft.
			Diam. of Each Wire in Decimals of an Inch	Thickness of Rubber in Inches	
073801	2	49	.0369	$\frac{1}{8} \times \frac{1}{8}$	700
073802	3	49	.0327	$\frac{1}{8} \times \frac{1}{8}$	625
073803	4	49	.0291	$\frac{1}{8} \times \frac{1}{8}$	575
073804	5	49	.0260	$\frac{1}{8} \times \frac{1}{8}$	450
073805	6	49	.0231	$\frac{1}{8} \times \frac{1}{8}$	425
073806	8	49	.0184	$\frac{1}{8} \times \frac{1}{8}$	310
Trade No.	Size B. & S.	No. of Wires in Conductor	Triple Braid		Approx. Wt. Lbs. per 1000 Ft.
			Diam. of Each Wire in Decimals of an Inch	Thickness of Rubber in Inches	
073807	2	49	.0369	$\frac{1}{8} \times \frac{1}{8}$	750
073808	3	49	.0327	$\frac{1}{8} \times \frac{1}{8}$	675
073809	4	49	.0291	$\frac{1}{8} \times \frac{1}{8}$	625
073810	5	49	.0260	$\frac{1}{8} \times \frac{1}{8}$	500
073811	6	49	.0231	$\frac{1}{8} \times \frac{1}{8}$	470
073812	8	49	.0184	$\frac{1}{8} \times \frac{1}{8}$	340

CONCENTRIC



Construction A

The center conductor is composed of 49 (7x7) tinned copper wires, insulated with $\frac{1}{8}$ inch heavier than Code thickness of rubber; this is finished with a tape and braid; around this are placed tinned copper wires to equal in area the central conductor. A belt of rubber (Code thickness) is then applied, and the whole finished with a double braid, the outer braid being special heavy seine twine, weatherproofed.

Trade No.	Size B. & S.	No. of Wires in Conductor	Construction A		Approx. Wt. Lbs. per 1000 Ft.
			Diam. of Each Wire in Decimals of an Inch	Thickness of Rubber in Inches	
073813	2	49	.0369	$\frac{1}{8} \times \frac{1}{8}$	750
073814	3	49	.0327	$\frac{1}{8} \times \frac{1}{8}$	675
073815	4	49	.0291	$\frac{1}{8} \times \frac{1}{8}$	625
073816	5	49	.0260	$\frac{1}{8} \times \frac{1}{8}$	500
073817	6	49	.0231	$\frac{1}{8} \times \frac{1}{8}$	470
073818	8	49	.0184	$\frac{1}{8} \times \frac{1}{8}$	340

Construction B

Style B is the same as Style A, without the outside belt of rubber.

Trade No.	Size B. & S.	No. of Wires in Conductor	Construction B		Approx. Wt. Lbs. per 1000 Ft.
			Diam. of Each Wire in Decimals of an Inch	Thickness of Rubber in Inches	
073819	2	49	.0369	$\frac{1}{8} \times \frac{1}{8}$	700
073820	3	49	.0327	$\frac{1}{8} \times \frac{1}{8}$	625
073821	4	49	.0291	$\frac{1}{8} \times \frac{1}{8}$	575
073822	5	49	.0260	$\frac{1}{8} \times \frac{1}{8}$	450
073823	6	49	.0231	$\frac{1}{8} \times \frac{1}{8}$	425
073824	8	49	.0184	$\frac{1}{8} \times \frac{1}{8}$	310

Prices Quoted on Application

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

RUBBER COVERED TELEPHONE WIRE

BRAIDED SPIDER WIRE

Trade No.	Size B. & S. Gauge	Rubber Insulation Thickness, In.	Description
36380	19	$\frac{1}{32}$	Single conductor, saturated braid.

POT HEAD WIRE

36381	19	$\frac{1}{32}$	Single conductor, plain rubber insulation, no braid.
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36382	19	$\frac{1}{32}$	Double conductor, plain rubber insulation, no braid; one conductor red rubber, one conductor black rubber; twisted.
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HOUSE WIRE
Glazed Braid, Twisted

36384	19	$\frac{1}{32}$	Double conductor, glazed cotton braid, not compounded; both conductors black rubber, one braided with brown, the other with red glazed cotton braid, then twisted.
36385	19	$\frac{1}{32}$	Double conductor, same as above, except both conductors are covered with brown braid, one conductor distinguishable by a red thread running through braid.

FLAMEPROOF

36386	20	$\frac{1}{32}$	Double conductor, same as No. 36384, except one conductor white and the other red. Thoroughly saturated with flameproof compound.
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COPPER CLAD TWISTED PAIR TELEPHONE WIRE

Copper clad rubber insulated, twisted pair drop wire has very largely replaced the use of No. 14 copper drop wire, having approximately the same breaking strength as the latter and having ample conductivity for telephone requirements. It costs less, is smaller, and weighs less than copper wire and its life is longer.

Size B. & S.	Diameter over Rubber, Inches	Description	Wt., Lbs. per 1000 Ft.
17	$\frac{1}{16}$	No raised thread tracer	40

TRIPLEX TELEPHONE WIRE.

Trade No.	Size B. & S. Gauge	Description
36396	19	Three-conductor, glazed braid.
36397	19	Three-conductor, saturated braid.

DUPLEX, HARD-DRAWN COPPER—FOR OUTSIDE USE

Braided, Saturated, then Twisted

Trade No.	Size, B. & S. Gauge	Rubber Insulation Thickness, Inches	Trade No.	Size, B. & S. Gauge	Rubber Insulation Thickness, Inches
36388	14	$\frac{1}{32}$	36390	18	$\frac{1}{32}$
36389	16	$\frac{1}{32}$	36391	19	$\frac{1}{32}$

RUBBER COVERED IRON WIRE

Double Conductor, Braided, then Twisted

Trade No.	Size B. W. Gauge	Size B. & S. Gauge	Style	Trade No.	Size B. W. Gauge	Size B. & S. Gauge	Style
36392	18	16	Duplex	36394	16	14	Duplex

Prices Quoted on Application

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MAGNET WIRE COTTON COVERED

Single Wound				Double Wound			
Trade No.	Size, B. & S. Gauge	Approximate Feet, per Lb.	Price per Lb.	Trade No.	Size, B. & S. Gauge	Approximate Feet, per Lb.	Price per Lb.
10530	0	3	....	10592	0	3	....
10531	1	4	....	10593	1	4	....
10532	2	5	....	10594	2	5	....
10533	3	6	....	10595	3	6	....
10534	4	8	....	10596	4	8	....
10535	5	10	....	10597	5	10	....
10536	6	12	....	10598	6	12	....
10537	7	16	....	10599	7	15	....
10538	8	20	....	10600	8	19	....
10539	9	25	....	10601	9	24	....
10540	10	31	....	10602	10	30	....
10541	11	39	....	10603	11	38	....
10542	12	49	....	10604	12	47	....
10543	13	62	....	10605	13	59	....
10544	14	78	....	10606	14	75	....
10545	15	98	....	10607	15	95	....
10546	16	124	....	10608	16	119	....
10547	17	155	....	10609	17	150	....
10548	18	196	....	10610	18	188	....
10549	19	247	....	10611	19	237	....
10550	20	311	.58	10612	20	298	.64
10551	21	389	.60	10613	21	370	.70
10552	22	491	.62	10614	22	461	.74
10553	23	624	.65	10615	23	584	.78
10554	24	778	.68	10616	24	745	.84
10555	25	958	.73	10617	25	903	.92
10556	26	1188	.80	10618	26	1118	1.00
10557	27	1533	.86	10619	27	1422	1.10
10558	28	1903	.92	10620	28	1759	1.20
10559	29	2461	.98	10621	29	2207	1.30
10560	30	2893	1.08	10622	30	2534	1.42
10561	31	3483	1.19	10623	31	2768	1.54
10562	32	4414	1.27	10624	32	3137	1.64
10563	33	5688	1.44	10625	33	4697	1.88
10564	34	6400	1.73	10626	34	6168	2.20
10565	35	8393	1.86	10627	35	6737	2.67
10566	36	9846	2.12	10628	36	7877	3.00
10567	37	11636	2.70	10629	37	9309	4.30
10568	38	13848	3.60	10630	38	10666	5.70
10569	39	18286	4.70	10631	39	11907	7.20
10570	40	24381	6.00	10632	40	14222	9.00

SILK COVERED

Trade No.	Size, B. & S. Gauge	Approximate Feet, per Lb.	Price per Lb.	Trade No.	Size, B. & S. Gauge	Approximate Feet, per Lb.	Price per Lb.
10571	20	319	.88	10633	20	312	1.12
10572	21	398	.90	10634	21	389	1.15
10573	22	504	.92	10635	22	493	1.22
10574	23	645	.96	10636	23	631	1.28
10575	24	795	1.02	10637	24	779	1.38
10576	25	1004	1.10	10638	25	966	1.48
10577	26	1240	1.20	10639	26	1202	1.65
10578	27	1615	1.30	10640	27	1542	1.85
10579	28	2023	1.40	10641	28	1917	2.00
10580	29	2625	1.53	10642	29	2485	2.22
10581	30	3335	1.70	10643	30	2909	2.56
10582	31	3820	1.92	10644	31	3683	3.08
10583	32	4876	2.16	10645	32	4654	3.40
10584	33	6243	2.46	10646	33	5689	4.00
10585	34	7757	2.90	10647	34	7111	4.60
10586	35	9660	3.38	10648	35	8534	5.28
10587	36	11907	3.93	10649	36	10039	5.98
10588	37	13474	4.66	10650	37	10666	7.37
10589	38	16516	5.58	10651	38	14222	8.43
10590	39	22261	6.76	10652	39	16516	9.75
10591	40	26947	8.14	10653	40	21333	11.53

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

GALVANIZED WIRE AND STRAND

EXTRA GALVANIZED TELEPHONE AND TELEGRAPH WIRE



There are three standards of extra galvanized telephone and telegraph wire in general commercial use:

"Extra Best Best" (E. B. B.). Stands highest in conductivity of all telegraph wire, with a weight per mile ohm of from 4700 to 5000 pounds. Uniform in quality, pure, tough and pliable. It is largely used by telegraph companies and in railway telegraph service.

"Best Best" (B. B.). Superior to the E. B. B. in mechanical qualities and equal in galvanizing, but of somewhat lower electrical value. Weight, per mile ohm, 5600 to 6000 pounds. This grade is used very largely by telephone companies.

"Steel" (or homogeneous metal). More expressly designed for short line telephone service, where a measure of conductivity can be exchanged for high tensile strength in a light wire. Weight, per mile ohm, 6500 to 7000 pounds.

Size B. W. G.	Diam. In.	Area C. M.	APPROX. WT., LBS.		— Extra B. B. —		— B. B. —		— Steel —	
			Per 1000 Ft.	Per Mile	Trade No.	Approx. Breaking Strain, Lbs.	Trade No.	Approx. Breaking Strain, Lbs.	Trade No.	Approx. Breaking Strain, Lbs.
4	.238	56644	153	811	12281	2028	12291	2271	12301	2433
6	.203	41209	112	590	12283	1475	12293	1652	12303	1770
8	.165	27225	74	390	12285	975	12295	1092	12305	1170
9	.148	21904	60	314	12286	785	12296	879	12306	942
10	.134	17956	49	258	12287	645	12297	722	12307	774
12	.109	11881	32	170	12288	425	12298	476	12308	510
14	.083	6889	19	99	12289	247	12299	277	12309	297

Prices quoted upon application.

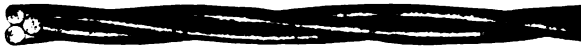
GALVANIZED STEEL STRAND GUY WIRE

Composed of Seven Wires Twisted Together



Diam. In.	Wt. Lbs. per 1000 Ft.	— Regular —			— Siemen's Martin —			— High Strength —			— Ex. High Strength —		
		Trade No.	Approx. Strength in Lbs.	Price per 100 Ft.	Trade No.	Approx. Strength in Lbs.	Price per 100 Ft.	Trade No.	Approx. Strength in Lbs.	Price per 100 Ft.	Trade No.	Approx. Strength in Lbs.	Price per 100 Ft.
5/8	800	87367	14000	\$8.50	12311	19000	\$8.25	12312	25000	\$12.00	12313	42500	\$14.60
1 1/8	510	052655	8500	5.50	052661	11000	5.25	12317	18000	7.25	12324	27000	8.80
1 1/4	415	052656	6500	4.50	052662	9000	4.30	12318	15000	6.00	12325	22500	7.20
1 1/2	295	052657	5000	3.50	052663	6800	3.25	12319	11500	4.40	12326	17250	5.25
3/8	210	052658	3800	2.50	052664	4860	2.50	12320	8100	3.20	12327	12100	4.25
1/2	125	052659	2300	1.75	052665	3060	1.70	12321	5100	2.25	12328	7600	2.85
3/4	75	052660	1400	1.25	12315	2000	1.35	12322	3300	1.80	12329	4900	2.40
1 1/8	32	12314	500	1.00	12316	900	.90	12323	1500	1.20	12330	2250	1.60

Composed of Three Wires Twisted Together



Trade No.	Size, B. W. G. Each Wire	Approx. Wt., Lbs. per 1000 Ft.	Tensile Strength Pounds	Price, per 100 Feet
12331	8	200	3000	\$4.40

Composed of Two Wires Twisted Together

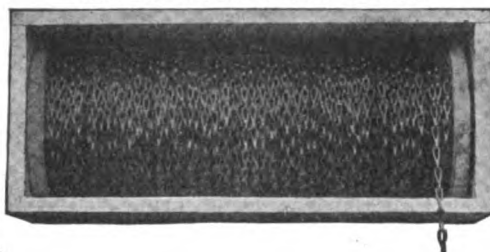


Trade No.	Size, B. W. G. Each Wire	Approx. Wt., Lbs. per 1000 Ft.	Tensile Strength Pounds	Price, per 100 Ft.
12354	8	150	2150	\$3.00
Single Conductor				
12356	4	140	2360	Price, per lb. .07
12357	6	102	1715	Price, per lb. .07
12355	8	75	1130	Price, per lb. .07
12358	10	50	750	Price, per lb. .07

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ARC LAMP CHAIN AND CORDAGE

ONEIDA GALVANIZED CHAIN



Trade No.	Mfrs. No.		Price, per 100 Feet
044665	1	For suspending arc lamps.....	\$4.20
044666	5	For suspending incandescent lamps.....	3.60

Trade No.	Mfrs. No.	Galvanized Attachments	Price per 1000
044667	1	Lamp hooks.....	\$20.00
044668	5	Lamp hooks.....	13.00
044669	1	Ring.....	40.00
044670	5	Rings.....	20.00
044671	No. 1,	Connecting links, per 1000 sets.....	13.00
044672	No. 5,	Connecting links, per 1000 sets.....	5.20

Oneida Galvanized Chain can be used with any mast arm. Packed on enclosed reels of 500 or 1000 feet.

GALVANIZED ARC LAMP CORD



Trade No.	Diam. Inches	Weight per Foot Pounds	Approx. Breaking Stress in Lbs.	Con- struction	Price, per 100 Feet	Trade No.	Diam. Inches	Weight per Foot Pounds	Approx. Breaking Stress in Lbs.	Con- struction	Price, per 100 Feet
044673	1/2	335	4750	9x7	\$7.00	044676	5/8	107	1530	9x4	\$3.50
044674	3/8	245	3400	9x7	6.00	044677	1/4	77	1125	9x4	2.75
044675	3/8	163	2000	9x7	5.00	.....	..	...	....	...	....

SAMSON SPOT CORD, WATERPROOF FINISH



Trade No.	Size No.	Diam. Inches	Approx. Lbs. to 1000 Feet	Approx. Feet Std. Coll.	Price per Lb.	Trade No.	Size No.	Diam. Inches	Approx. Lbs. to 1000 Feet	Approx. Feet Std. Coll.	Price per Lb.
044678	8	1/4	23	1200	\$0.78	044681	12	3/8	55	1200	\$0.82
044679	9	3/8	29	1200	.78	044682	14	1/2	70	1200	.82
044680	10	1/2	37	1200	.78	044683	16	5/8	90	1200	.82

For use in the raising and lowering of arc lamps. Sizes, Nos. 12, 14 or 16. Also used for trolley rope. Sizes, Nos. 9, 10 or 12.



Trade No.	Mfrs. No.	Diameter Inches	Approx. Wt. Lb., per 100 Ft.	Price per Lb.
044684	20878	3/8	2	\$0.72
044685	20879	1/4	2 1/2	.72
044686	20880	5/8	3 1/8	.72
044687	20881	3/8	5	.72
044688	20882	1 1/2	8	.72

MANILA ROPE

Manila, sisal and jute ropes, weight about alike. Tarred hemp cordage will weigh about one fourth more. The relative strength of manila to sisal is about as 7 is to 5.



Trade No.	Diam. Inches	Circumference Inches	No. of Feet in 1 Pound	Full Conrs Length Feet	Weight Pounds	Strength Pounds
33929	1/4	6 thd. fine	55	2600	50	620
33930	3/8	9 thd. fine	41	1870	55	1000
33931	3/8	12 thd. fine	28	1690	65	1275
33932	1 1/2		13 1/2	1200	92	2400
33933	1 3/4		10	1200	130	3300
33934	5/8	2	7 1/2	1200	160	4000
33935	3/4	2 1/4	6	1200	200	4700

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

A-W MAZDA SERIES REGULATORS



Front View of Switchboard

The A-W Mazda Series Regulator System consists of a regulator designed to keep constant current on series lines. The switchboard shown in the illustration is also furnished equipped with ammeter and current transformer, together with high tension primary and secondary switches. There are no floating coils or other moving parts to get out of order.

Ammeter records taken over a period of many months show that the A-W system will hold the current more nearly constant than any other, thus insuring the full life of the lamps.

The efficiency is the highest ever attained on series lighting apparatus—97 per cent on a 5 Kw. outfit, and the power factor is also high, 80 per cent on all outfits. Provision is made so that both the efficiency and the power factor can be maintained at their high values even though the set is carrying but a small portion of its full load capacity. This makes it nicely adapted to line extensions.

It should be noted especially that the A-W Regulator can be thrown into circuit, if desired, with a time switch, which is a great advantage over floating coil systems in which the coils must be separated by hand before putting on the current.

The A-W system is adapted to be used with any kind of series street fixture equipped with film cut-outs.

In ordering, state number of lamps required and candle power of each. Also voltage and frequency of distributing mains.

STATION PANELS

For Use with A-W Station Type Regulators

All panels are regularly made of beveled blue Vermont marble, 18x48x1½ inches mounted on pipe frame 18 inches from floor and furnished with 36-inch wall braces.

Trade No.	Description	Ship. Wt., Lbs.	Price Each
132830	Single circuit panel.....	450	\$150.00
132831	Double circuit panel.....	450	175.00

Single circuit panels are provided with one 5-point circuit switch, primary oil or stab switch, ammeter and current transformer. Double circuit panels are provided with two 4-point circuit switches, one 2-point change-over stab switch, primary oil or stab switch, ammeter and current transformer.

For primary single-phase watt-hour meter with current and potential transformers, add \$85.00; for primary oil-break time switch 3300 volts 25 amperes, add \$90.00.

POLE AND STATION TYPE REGULATORS WITHOUT PANEL

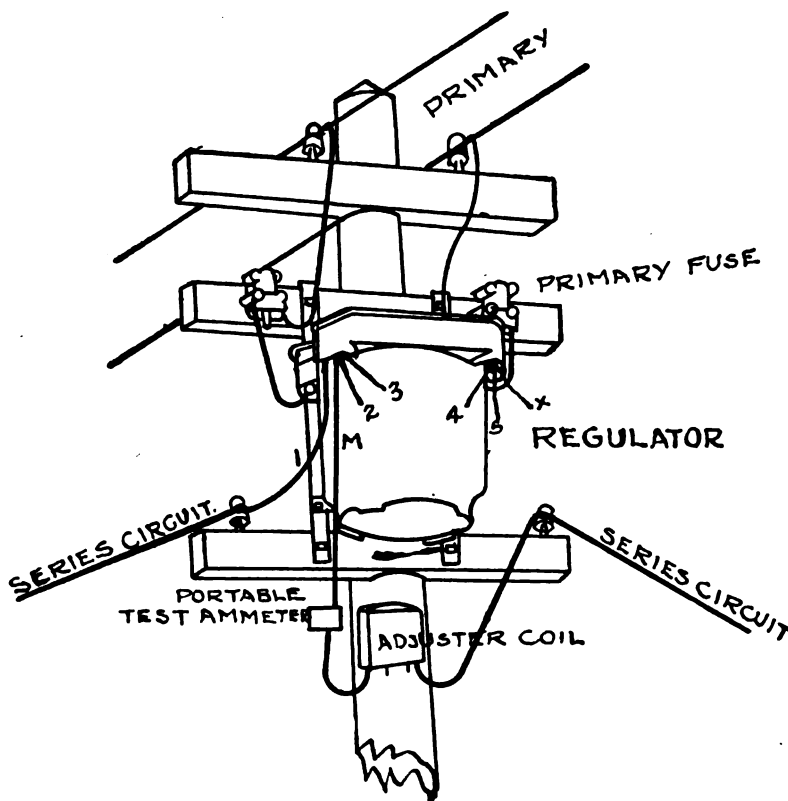
Primary Voltage, 2200; Secondary Current, 4.0, 5.5, 6.6 and 7.5 Amperes

Kw.	25 Cycles				60 Cycles				133 Cycles			
	Trade No.	Ship. Wt., Lbs.	Reg. Oil	Price Each	Trade No.	Ship. Wt., Lbs.	Reg. Oil	Price Each	Trade No.	Ship. Wt., Lbs.	Reg. Oil	Price Each
2	132832	410	40	\$256.00	132856	280	35	\$160.00	132880	250	35	\$150.00
3	132833	460	50	318.00	132857	325	35	193.00	132881	280	35	180.00
4	132834	630	95	374.00	132858	410	40	232.00	132882	325	35	210.00
5	132835	780	105	426.00	132859	455	50	266.00	132883	410	40	242.00
6	132836	940	120	474.00	132860	460	55	298.00	132884	440	50	270.00
7	132837	985	120	522.00	132861	485	55	330.00	132885	455	50	298.00
8	132838	1080	220	566.00	132862	630	95	360.00	132886	460	55	325.00
9	132839	1160	280	610.00	132863	750	95	388.00	132887	480	55	348.00
10	132840	1165	280	650.00	132864	780	105	416.00	132888	630	95	370.00
11	132841	1210	300	690.00	132865	800	120	442.00	132889	630	95	392.00
12	132842	1260	340	718.00	132866	940	120	466.00	132890	750	95	412.00
13	132843	1320	400	753.00	132867	970	120	490.00	132891	780	105	432.00
14	132844	1400	430	796.00	132868	985	120	512.00	132892	800	120	450.00
15	132845	1470	480	830.00	132869	1040	120	536.00	132893	940	120	468.00
16	132846	1520	510	864.00	132870	1080	220	558.00	132894	940	120	492.00
17	132847	1600	550	896.00	132871	1120	250	578.00	132895	970	120	502.00
18	132848	1680	600	926.00	132872	1160	280	600.00	132896	985	120	524.00
19	132849	1750	620	956.00	132873	1160	280	620.00	132897	985	120	544.00
20	132850	1820	640	988.00	132874	1165	280	640.00	132898	1040	120	565.00
21	132851	1900	660	1016.00	132875	1175	300	658.00	132899	1080	220	585.00
22	132852	2050	680	1044.00	132876	1210	300	678.00	132900	1120	250	606.00
23	132853	2200	700	1070.00	132877	1215	300	696.00	132901	1120	250	625.00
24	132854	2300	720	1098.00	132878	1260	340	714.00	132902	1160	280	645.00
25	132855	2400	730	1125.00	132879	1325	400	732.00	132903	1160	280	765.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

A-W MAZDA SERIES REGULATORS

POLE TYPE



Connecting Diagram

The A-W Pole Type Regulator consists of practically the same apparatus as shown on the previous page, but without the switchboard. It is intended for use in outlying districts and avoids the necessity of running the lines back to the central station.

It is admirably adapted for use with a time switch. Taps are provided for carrying partial load at full load efficiency and power factor, and it is merely necessary to connect the load to the proper tap, after which the regulator will maintain the current at the proper value.

Mazda Lamps will live their useful life if not subjected to a continuous series of voltage blows. The A-W Regulator prevents voltage blows and holds the current normal under operating conditions.

Mazda Lamps are also weakened by the first rush of current when no provision is made to prevent it, but the A-W Regulator controls this rush instantly and effectively.

If high efficiency is desired, it is necessary to have load taps giving the proper voltage across the line; otherwise the efficiency and power factor will be greatly changed. As the A-W Regulator is constructed to give proper load taps for part loads and for split circuits, the efficiency and power factor are maintained at a high value.

These regulators are self-cooled, oil filled and are made for any primary voltage from 110 to 660 volts and for any secondary current.

If it is desired to operate a mixed load of arc lamps and Mazda Lamps, a special starting coil is provided without extra charge. This coil prevents a sudden rush of current, and is cut out after the lamps are turned on. Satisfactory operations guaranteed.

All A-W Regulators are subject to a rigid guarantee as to efficiency, power factor and against inherent electrical and mechanical defects; also guaranteed against burn-out from all causes (except abuse or overload), including lightning.

For list prices, deduct \$150.00 each from the list prices shown on the preceding page.

Send for complete bulletin.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PACKARD TRANSFORMERS

Single-phase—Primary Voltage, 2400, 2300, 2200—Normal, 2200

Frequency Limits, 50-140 Cycles—Normal, 60 Cycles

Type A Transformers have high efficiency for mixed power and light service.

Type B Transformers are of standard efficiency and moderate price, designed for lighting and small power service. Not made above 30 Kva. capacity.

Type AA Transformers are of high efficiency for 25-cycle service.

All of the above types may be used in three-wire service. The secondary voltage may be changed by connection of the secondary leads outside the transformer case. All sizes are suitable for outdoor installation.

High Voltage Transformers

In addition to the lines listed below, Type A Form C Transformers for 60-cycle service and Type AA for 25-cycle service for 6600, 11000, 13200, 16500, 22000, 33000, or 44000 volts, can be supplied. These can be furnished for either indoor or outdoor installation.

All transformers are made in accordance with the standards of the American Institution of Electrical Engineers and Electric Power Club.



Type A

TYPE A—HIGH EFFICIENCY—60 CYCLES

Secondary Voltage, 110-220

Trade No.	Cap. Kva.	Approx. Ship. Wt., Lbs.	Gals. Oil	Trade No.	Cap. Kva.	Approx. Ship. Wt., Lbs.	Gals. Oil
134654	1	136	1.25	130535	20	800	12
130517	2	165	1.5	130536	25	850	15
130518	3	175	3	130537	30	1200	14
130519	5	250	4	130538	40	1340	35
130520	7.5	335	5	130539	50	1400	34
130521	10	480	7	130540	75	1650	50
130522	15	730	13	130541	100	1800	85

TYPE B—STANDARD EFFICIENCY—60 CYCLES

130523	1	125	.5	130542	10	370	5
130524	2	135	2	130543	15	620	6
130525	3	160	3	130544	20	750	13
130526	5	218	5	130545	25	790	13
130527	7.5	320	5	130546	30	1040	15

TYPE AA—HIGH EFFICIENCY—25 CYCLES

130528	1	165	2	130547	20	1200	20
130529	2	235	4	130548	25	1340	35
130530	3	260	5	130549	30	1450	35
130531	5	440	8	130550	40	1900	56
130532	7.5	500	12	134651	50	2100	63
130533	10	755	13	134652	75	2500	80
130534	15	850	14	134653	100	3100	88



Type AA

Transformers are furnished with a pair of primary fuse boxes and hangers in sizes 25 Kva. and smaller. Oil is included in all sizes. Package charge is made for oil in less than barrel lots, packages to be credited in full when returned in good condition, charges prepaid.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PRIMARY CUT-OUTS AND SWITCHES



No. 139

P & S TRANSFORMER CUT-OUTS

Single-pole—30 Amperes, 2500 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
043255	139	White glaze finish, complete with plug and lag screws..	30	188	1.80
043256	139½	Black glazed finish, complete, with plug and lag screws..	30	188	1.50
043257	140	Plug only, for No. 139.....	10	22	.54
043258	141	Plug only, for No. 139½....	10	22	.50

The plugs of Nos. 139 and 139½ cut-outs engage contacts with a slight twist, making it impossible for plug to accidentally pull out.

BRYANT TRANSFORMER CUT-OUTS

Single-pole—30 Amperes, 2500 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
043252	1689	Porcelain cut-out complete, with plug.....	50	360	2.00
043253	1690	Porcelain cut-out without plug.....	50	230	1.30
043254	1691	Porcelain plug only.....	50	170	.70

The above cut-out is finished in black enamel.
The fuse is 9 inches long.



No. 1689

MATTHEWS' FUSE SWITCHES

When wires become short-circuited, a Matthews' Fuse Switch protecting this wire is designed to open the circuit in trouble by the fuse melting from overload, killing the section short-circuited. Matthews' Fuse Switches combine in one device the fuse block and the primary line disconnecting switch. The door is so arranged that it can be opened either to the right or left, as desired.

Made in three sizes and four types. The only difference between Type A and Type B is that the first is furnished in cast iron boxes and the second is furnished to those who prefer wood boxes. The Type F Matthews' Fuse Switch is furnished in wood box. The Type H Matthews' Fuse Switch is furnished in wood boxes only. The Type H is displacing the more expensive and less efficient oil switch.



Fuse Switch, Closed View

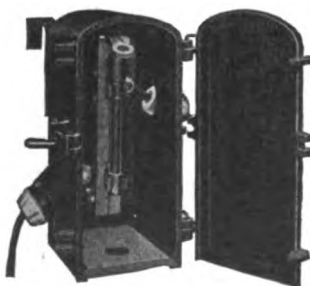
Trade No.	Type	For Voltage	Max. Amps.	Shipping Wt., Lbs.	Less than 12	12 to 24	25 or More
52861	*A	6600	60	50	\$31.50	\$29.00	\$26.50
52862	*B	6600	60	35	31.50	29.00	26.50
52863	*F	6600	100	50	43.00	40.00	38.00
52864	*H	6600 to 14200	75	100	87.00	83.00	79.00

Extra Expulsion Fuse Cartridges

Trade No.	Description	Price Each
52865	For Types A and B.....	\$1.50
52866	For Type F.....	3.00
52867	For Type H.....	6.00

The above prices include fuse cartridge, hangers, leading-in wires, insulators and fuse wires for one charge.

* Note Types A and B were formerly known as No. 1 and No. 1W. Type F is a new size. Type H was formerly known as No. 2.



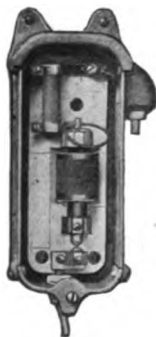
Fuse Switch, Open View

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

GARTON-DANIELS LIGHTNING ARRESTERS

DIRECT CURRENT

Direct current arresters, station type, are furnished with highly polished and lacquered metal work. Pole or car arresters have a dipped metal finish, but aside from this are the same as the station type. Pole and car arresters are furnished in either wooden or iron covers, as required. Iron covers are, however, not furnished on arresters for voltages above 750. Both covers are of our standard design, fitted with insulated bushings for the leading-in wires and the arrester carefully insulated from the cover.



Type DF
Iron Covered

TYPE DF
0-350 Volts

Trade No.	Mfrs. No.	Description	Dimensions Inches	Wt. Lbs.	Price Each
081072	50014	Station type	8½x3x3	2¾	\$6.40
081073	50016	Iron covered	12½x6x4	11½	7.80
081074	50015	Wood covered	13½x7x8	6¾	6.40

TYPE EG
350-750 Volts

Trade No.	Mfrs. No.	Description	Dimensions Inches	Wt. Lbs.	Price Each
081075	50039	Station type	9⅞x3⅝x3	4½	\$7.00
081076	50040	Iron covered	13½x6½x4½	13½	8.00
081077	50041	Wood covered	14½x7 x6¼	8½	7.00
081078	11779	Iron car	13½x6½x4½	13½	8.00
081079	11780	Wood car	14 x7 x6¼	8½	7.00

TYPE EH
750-1300 Volts

Trade No.	Mfrs. No.	Description	Dimensions Inches	Wt. Lbs.	Price Each
35318	50338	Station type	19⅝x 4 x3⅞	11½	\$14.00
35319	50339	Wood car	21½x10½x6¾	21	14.00
35320	50400	Wood covered	25¼x 8⅝x7¾	21½	14.00



Type EG
Wood Covered

TYPE EI
1300-1500 Volts

Trade No.	Mfrs. No.	Description	Dimensions Inches	Wt. Lbs.	Price Each
46876	50401	Station type	19⅝x 4 x3⅞	11½	\$16.00
46977	50402	Wood car	21½x10½x6¾	21	16.00
46878	50403	Wood covered	25¼x 8⅝x7¾	21½	16.00

TYPE EJ
1500-1800 Volts

Trade No.	Mfrs. No.	Description	Dimensions Inches	Wt. Lbs.	Price Each
46879	50404	Station type	19⅝x 4 x3⅞	11½	17.00
46880	50405	Wood car	21½x10½x6¾	21	17.00
46881	50406	Wood covered	25¼x 8⅝x7¾	21½	17.00

TYPE EK
1800-2400 Volts

Trade No.	Mfrs. No.	Description	Dimensions Inches	Wt. Lbs.	Price Each
35321	50426	Station type	49x 8x17½	45	\$32.00
35322	50427	Wood covered	49x13x15½	58	32.00

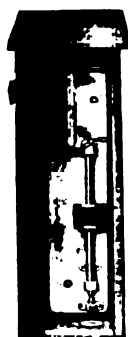
ARC CIRCUIT ARRESTERS

Direct Current

Trade No.	Mfrs. No.	Type	Voltage of Circuit	Description	Wt. Lbs.	Price Each
081080	50077	BD	0-4000	Station type	6¾	\$8.80
081081	50078	BD	0-4000	Wood covered	12½	8.80
35316	50073	BD	4000-6000	Station type	20	22.00
35317	50074	BD	4000-6000	Wood covered	26½	22.00

Alternating Current

Trade No.	Mfrs. No.	Type	Voltage of Circuit	Description	Wt. Lbs.	Price Each
35307	50067	Panel board	0-2500	14x27 in.	43	42.00
35308	50068	Panel board	2500-5000	30x27 in.	90	66.00
35309	50020	CE	0-2500	Station type	6¾	8.80
35310	50021	CE	0-2500	Iron covered	21	10.00
35311	50022	CE	0-2500	Wood covered	12½	8.80
35312	50091	F-2	2500-3500	Station type	11½	10.00
35313	50092	F-2	2500-3500	Wood covered	15¾	10.00
35314	50093	CE-2	3500-5000	Station type	26½	18.60
35315	50094	CE-2	3500-5000	Wood covered	49	18.60



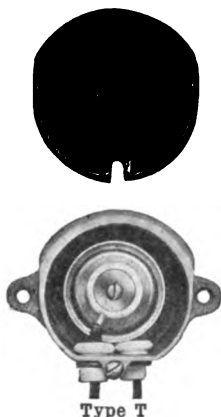
Type EH
Wood Covered

The above are standard types of arc circuit lightning arresters. They will meet practically all standard conditions. Arresters for higher voltages or for special conditions can be furnished to order.

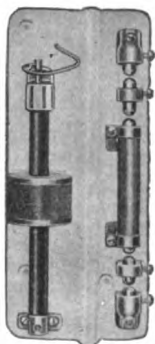
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

GARTON-DANIELS LIGHTNING ARRESTERS

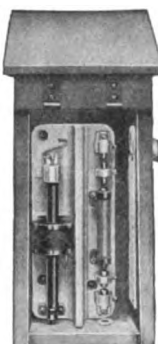
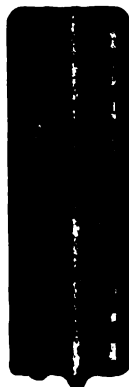
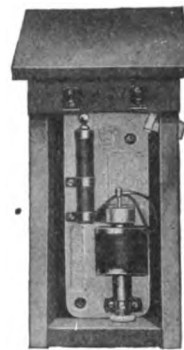
ALTERNATING CURRENT



Type T

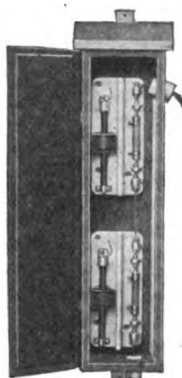
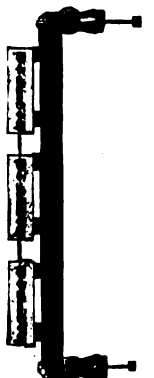


Type CE-2 Station

Type CE-2
Wood CoveredType F-2
StationType FH
Wood Covered

Garton-Daniels Alternating Current Arresters are furnished according to practically the same specifications applying to the direct current arresters. They combine the well recognized principles of a small air gap, a low series resistance and a circuit breaker.

High tension arresters consist of the standard Types CE-2 and F-2 units connected in series. The advantages of the single units, therefore, apply just as strongly to these higher voltage types. Arresters for station use are mounted on heavy impregnated oak frames, and are furnished complete with insulators. Pole arresters are furnished in well-made wood covers and are also furnished complete with insulating supports for attaching to pole or other suitable supporting means.

Type CE-2
5000 V., WoodType CE-2
7500 V., Station

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Trade No.	Mfrs. No.	Type	Voltages of Circuit	Description	Dimensions Inches	Weight Pounds	Price Each
049001	300	T	0- 350	Iron covered	3 1/2 x 3 1/2	2 1/2	\$3.00
049002	50014	DF	0- 350	Station type	8 1/2 x 3 x 3	2 1/2	6.40
049003	50016	DF	0- 350	Iron covered	12 1/2 x 6 x 4	11 1/2	7.80
049004	50015	DF	0- 350	Wood covered	13 1/2 x 7 x 6	6 1/2	6.40
049005	50017	FH	350- 1200	Station type	10 1/2 x 3 1/2 x 3	4 1/2	7.00
049006	50018	FH	350- 1200	Iron covered	14 1/2 x 6 1/2 x 4 1/2	15 1/2	8.20
049007	50019	FH	350- 1200	Wood covered	14 1/2 x 7 x 6 1/2	8 1/2	7.00
049008	50020	CE	1200- 2500	Station type	14 x 3 1/2 x 3 1/2	6 1/2	8.80
049009	50021	CE	1200- 2500	Iron covered	16 1/2 x 6 x 5	21	10.00
049010	50022	CE	1200- 2500	Wood covered	19 x 7 1/2 x 7 1/2	12 1/2	8.80
11971	50088	CE-2	1200- 2500	Station type	11 x 4 1/2 x 3 1/2	8	8.80
11972	50089	CE-2	1200- 2500	Wood covered	18 x 8 1/2 x 6 1/2	13 1/2	8.80
11973	50329	F-2S	*2500-3ph.Y	Station type	14 1/2 x 4 1/2 x 3 1/2	11 1/2	10.00
11974	50330	F-2S	*2500-3ph.Y	Wood covered	20 1/2 x 8 1/2 x 6 1/2	15 1/2	10.00
049011	50091	F-2	2500- 3500	Station type	14 1/2 x 4 1/2 x 3 1/2	11 1/2	10.00
049012	50092	F-2	2500- 3500	Wood covered	20 1/2 x 8 1/2 x 6 1/2	15 1/2	10.00
049013	50093	CE-2	3500- 5000	Station type	34 x 8 x 6 1/2	26 1/2	18.60
049014	50094	CE-2	3500- 5000	Wood covered	33 x 13 x 15 1/2	49	18.60
049015	50095	F-2	5000- 6600	Station type	39 1/2 x 8 x 17 1/2	41	23.80
049016	50096	F-2	5000- 6600	Wood covered	38 x 13 x 15 1/2	55	23.80
11975	50442	F-2S	†6600-S. P.	Station type	56 1/2 x 8 x 17 1/2	58	39.10
11976	50443	F-2S	†6600-S. P.	Wood Covered	56 1/2 x 13 x 15 1/2	69	39.10
049017	50097	CE-2	6600- 7500	Station type	48 x 8 x 17 1/2	46	36.40
049018	50098	CE-2	6600- 7500	Wood covered	49 x 13 x 15 1/2	59	36.40
049019	50099	F-2	7500- 8500	Station type	56 1/2 x 8 x 17 1/2	58	39.10
049020	50100	F-2	7500- 8500	Wood covered	56 1/2 x 13 x 15 1/2	69	39.10
049021	50101	F-2	8500-10000	Station type	73 x 8 x 18	71	48.60
049022	50102	F-2	8500-10000	Wood covered	71 x 13 x 15 1/2	93	48.60
049023	50103	F-2	10000-12500	Station type	89 x 8 x 18	89	60.90
049024	50104	F-2	10000-12500	Wood covered	87 1/2 x 13 x 15 1/2	116	60.90
049025	50105	F-2	12500-15000	Station type	106 x 8 x 18	106	73.90
049026	50106	F-2	12500-15000	Wood covered	104 x 13 x 15 1/2	139	73.90
049027	50107	F-2	15000-17500	Station type	122 x 8 x 18	123	89.00
049028	50108	F-2	17500-20000	Station type	139 x 8 x 18	140	100.00

*Grounded neutral. †Railway circuit.

GARTON-DANIELS ARRESTER HANGERS AND GROUND FITTINGS

LIGHTNING ARRESTER HANGERS

Lightning arrester cross-arm hangers are designed to support single unit lightning arresters from either one or two cross-arms. Fitted with these hangers, they are easy and cheap to install, have strong, rigid supporting means and when so hung make a better appearance than the non-uniform schemes used in lightning arrester installation.

Supports A and D are made from $1\frac{1}{2} \times \frac{3}{4}$ -inch strap iron, and are designed especially for attaching lightweight arresters, such as Types DF, FH and EG from either one or between two cross-arms.

Supports B, C and E are made from $1 \times \frac{3}{4}$ -inch strap iron, and are suitable for use with any single unit type of G-D Arrester. Style B is of the single-arm type; Styles C and E are of the two-arm type.

All supports are made of hot galvanized iron, attached to arrester box by suitable screws. Styles A, B and C are regularly furnished for $3\frac{1}{2}$ -inch cross-arm; this regular size is also suitable for $3\frac{1}{4}$ -inch arms. Styles C, D and E are regularly drilled for arms installed on 24-inch centers; this standard drilling only is carried in stock. Special drillings will be furnished to order. All hangers are furnished complete with necessary screws and ready to be attached to box.

Trade No.	Mfrs. No.	Style	Price Each	Trade No.	Mfrs. No.	Style	Price Each
104706	50421	A	\$0.40	104709	50424	D	\$0.40
104707	50422	B	.60	104710	50425	E	.50
104708	50423	C	.70	....	....	..	....

LIGHTNING ARRESTER GROUND FITTINGS

For $\frac{3}{4}$ -inch Pipe

Trade No.	Mfrs. No.	Description	Dimens. Inches	Net Wt.	Price Each
35332	50079	Brass cap for No. 4 or 6 solid	$1 \times 1\frac{1}{4} \times 1\frac{1}{2}$	5 oz.	\$0.45
104691	50428	Brass cap for No. 0 cable or solid	$1 \times 2 \times 1\frac{1}{2}$	6 oz.	.45
104692	50429	Brass cap, for $\frac{1}{4}$ -in. cable	$1 \times 2 \times 1\frac{1}{2}$	6 oz.	.45
35333	50080	Brass coupling, for No. 4 or 6 solid	$1\frac{1}{8} \times 1\frac{3}{4} \times 1\frac{3}{8}$	5 oz.	.40
104693	50430	Brass coupling for No. 0 cable or solid.....	$1\frac{5}{8} \times 2 \times 1\frac{3}{8}$	6 oz.	.40
35334	50081	Mall. point, external type	$3\frac{1}{2} \times 1\frac{1}{8} \times 1\frac{1}{8}$	8 oz.	.45
104694	50431	Mall. point, internal type	$2\frac{3}{4} \times 1 \times 1$	7 oz.	.40
104695	42292	Galv. pipe tee.....	Std. $\frac{3}{4}$	10 oz.	.15
104696	50440	Galv. pipe coupling...	Std. $\frac{3}{4}$	5 oz.	.15
35335	50082	Gray iron plate.....	$12 \times 12 \times \frac{3}{4}$	9 lbs.	1.20

For 1-inch Pipe

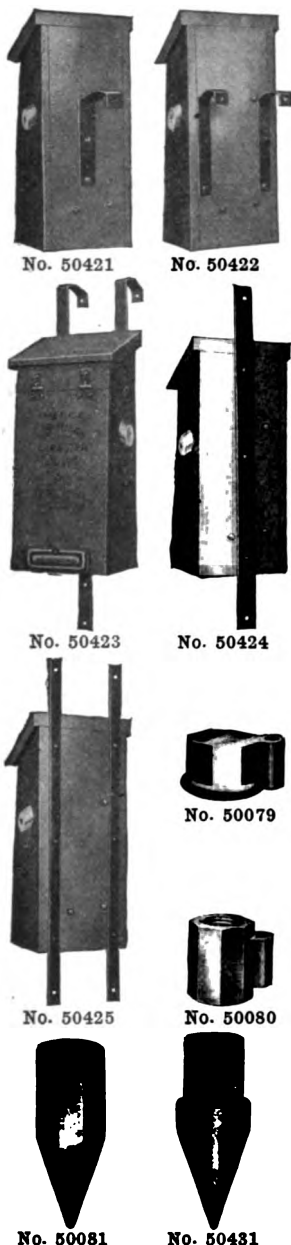
104697	50432	Brass cap, for No. 4 or 6 solid	$1 \times 2\frac{1}{8} \times 1\frac{3}{4}$	6 oz.	.55
104698	50433	Brass cap, for No. 0 cable or solid	$1 \times 2\frac{1}{4} \times 1\frac{3}{4}$	7 oz.	.55
104699	50434	Brass cap, for $\frac{1}{4}$ -in. cable	$1 \times 2\frac{1}{4} \times 1\frac{3}{4}$	7 oz.	.55
104700	50435	Brass coupling, for No. 4 or 6 solid	$1\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{3}{4}$	8 oz.	.50
104701	50436	Brass coupling, for No. 0 cable or solid.....	$1\frac{1}{2} \times 2\frac{3}{8} \times 1\frac{3}{4}$	8 oz.	.50
104702	50437	Mall. point, external type	$3\frac{3}{4} \times 1\frac{1}{2} \times 1\frac{1}{2}$	13 oz.	.55
104703	50438	Mall. point, internal type	$3\frac{1}{4} \times 1\frac{1}{8} \times 1\frac{3}{8}$	11 oz.	.50
104704	50439	Galv. pipe tee.....	Std. 1	15 oz.	.20
104705	50441	Galv. pipe coupling...	Std. 1	8 oz.	.20

BONDS, CONNECTORS, POLE BANDS AND GROUND WIRE DISCONNECTORS

Trade No.	Mfrs. No.	Description	Price
104711	35	Type P-4 A bond, No. 0 B. & S. cable, $\frac{1}{2}$ -inch terminal	\$66.00 per 100
104712	36	Type O-5 A bond, No. 0 B. & S. solid, $\frac{1}{2}$ -inch terminal	56.00 per 100
104713	12346	Cylindrical wire connector for No. 4 or 6 B. & S. solid..	.09 each
104714	12344	Cylindrical wire connector for No. 0 B. & S. solid.....	.14 each
104715	12342	Cylindrical wire connector for No. 0 B. & S. cable.....	.25 each
104716	50331	*Iron pole band for $6\frac{5}{8}$ -inch pole.....	13.00 per doz.
104717	50332	*Iron pole band for $7\frac{5}{8}$ -inch pole.....	13.00 per doz.
104718	50333	*Iron pole band for $8\frac{5}{8}$ -inch pole.....	13.00 per doz.
104719	50444	Ground wire disconnecter for No. 4 or 6 B. & S. solid..	1.25 each

*Pole bands include pole band brackets for attaching to our regular wood or iron covers.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



GARTON-DANIELS CHOKE COILS

LOW VOLTAGE TYPES



Type S



Type AMF



Car Choke Coil

Choke coils regularly carried in stock are listed below. Coils of higher ampere capacity than these will be furnished to order. In ordering, always give the following information: Mfrs. No., capacity in amperes, size of wire or cable for which terminals are to be provided, number and size of terminals on each end when ordering Type AMF coils, mounting, standard or special.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Trade No.	Mfrs. No.	Type	Cap. Amps.	Dimensions Inches	Weight Pounds	Price Each
081082	50042	S	10	6 $\frac{5}{8}$ x2 $\frac{1}{2}$	4	\$3.60
081083	50043	S	20	6 $\frac{5}{8}$ x2 $\frac{1}{2}$	4	4.80
081084	50044	S	30	6 $\frac{5}{8}$ x2 $\frac{1}{2}$	4	5.78
081085	50045	S	40	6 $\frac{5}{8}$ x2 $\frac{1}{2}$	4	6.72
081086	50046	S	50	8 $\frac{1}{8}$ x3 $\frac{7}{16}$	9 $\frac{1}{4}$	8.00
081087	50047	S	100	8 $\frac{1}{8}$ x3 $\frac{7}{16}$	9 $\frac{1}{4}$	8.50
081088	50048	S	125	8 $\frac{1}{8}$ x3 $\frac{7}{16}$	9 $\frac{1}{4}$	9.00
081089	50049	S	175	9 $\frac{5}{8}$ x3 $\frac{9}{16}$	16 $\frac{1}{4}$	10.00
081090	50050	S	225	9 $\frac{5}{8}$ x3 $\frac{9}{16}$	16 $\frac{1}{4}$	10.50
081091	50051	S	260	9 $\frac{5}{8}$ x3 $\frac{9}{16}$	16 $\frac{1}{4}$	11.00
081092	50052	AF	50	10 $\frac{1}{2}$ x4 $\frac{3}{8}$ x5	8 $\frac{1}{2}$	9.90
081093	50053	AF	125	10 $\frac{1}{2}$ x4 $\frac{3}{8}$ x5	8 $\frac{1}{2}$	11.00
081094	50054	AF	160	12 x5 x5	11	11.50
081095	50055	AF	200	12 x5 x5	11 $\frac{1}{2}$	11.90
081096	50056	AF	250	12 x5 x5	12 $\frac{1}{4}$	12.10
081097	50057	AF	325	5x15 $\frac{1}{2}$ x4 $\frac{5}{8}$	15 $\frac{1}{2}$	13.20
081098	50058	AF	400	5x16 x4 $\frac{11}{16}$	18 $\frac{3}{4}$	18.70
081099	50059	AF	500	5x16 $\frac{3}{8}$ x4 $\frac{13}{16}$	21 $\frac{1}{4}$	27.50
081100	50060	AMF	600	10x17 x4 $\frac{5}{8}$	33 $\frac{3}{4}$	29.70
081101	50061	AMF	800	10x18 $\frac{1}{2}$ x4 $\frac{11}{16}$	37 $\frac{3}{4}$	35.20
081102	50062	AMF	1000	10x20 $\frac{7}{8}$ x4 $\frac{13}{16}$	48 $\frac{3}{4}$	49.50
081103	50063	AMF	1200	12x22 x4 $\frac{5}{8}$	65 $\frac{1}{2}$	55.00
081104	50064	AMF	1500	12x22 x4 $\frac{13}{16}$	72	67.10
081105	50065	AMF	1600	14x23 x4 $\frac{11}{16}$	89 $\frac{3}{4}$	74.80
081106	50066	AMF	2000	14x23 x4 $\frac{13}{16}$	102	105.60
081107	11781	Car	75	10 $\frac{1}{2}$ x4 $\frac{3}{8}$ x4 $\frac{3}{4}$	8 $\frac{3}{4}$	7.00
081108	11782	Car	125	10 $\frac{1}{2}$ x4 $\frac{3}{8}$ x4 $\frac{3}{4}$	10	7.75
081109	11783	Car	150	10 $\frac{1}{2}$ x4 $\frac{3}{8}$ x5	10 $\frac{3}{4}$	8.50
081110	11784	Car	175	10 $\frac{1}{2}$ x4 $\frac{3}{8}$ x5	11 $\frac{1}{2}$	9.25
081111	11785	Car	200	10 $\frac{1}{2}$ x4 $\frac{3}{8}$ x5	12 $\frac{1}{4}$	10.00

G-D CHOKE COILS AND DISCONNECTING SWITCHES

HIGH VOLTAGE TYPES

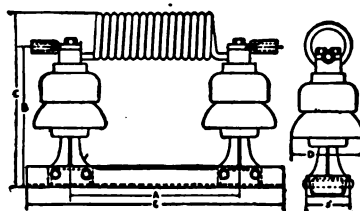
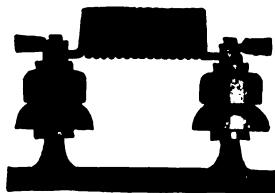
The construction of both the high voltage choke coils and disconnecting switches will be apparent from the illustration below. A standard 3-inch channel iron is used for the base. This permits either the coil or the switch to be installed inside or out, attached to pipe or other suitable supporting means. Iron pins are riveted to this channel, and insulators cemented to these pins support cemented galvanized iron tops, which in turn support terminal blocks for either the coil or switch blades.

All choke coils and disconnecting switches are provided with separable terminals. Switches are operated by means of wood switch hooks listed. For use as a lightning arrester disconnecting switch the 200-ampere size should be specified. For other work the size specified, should, of course, be governed by the ampere capacity of the circuit on which they are to be used.

In ordering choke coils and disconnecting switches always give the following information:

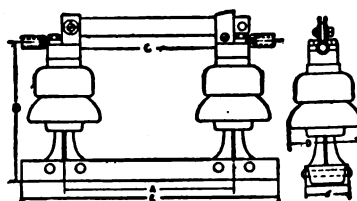
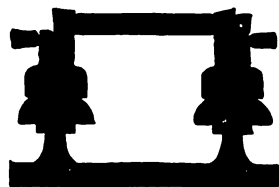
Mfrs. No.; voltage; capacity in amperes; number of terminals and size of wire or cable for which terminals are to be provided; mounting, standard or special, and drillings in base.

CHOKE COILS



Trade No.	Mfrs. No.	Voltage	Capacity Amperes	DIMENSIONS, INCHES					Price Each
				A	B	C	D	E	
50441	50407	2500-6600	50	8½	9	11¼	3¾	14½	\$22.00
50442	50408	2500-6600	100	8½	9	11¼	3¾	14½	26.50
50443	50409	2500-6600	200	8½	9	11½	3¾	14½	30.00
50444	50410	2500-6600	400	10	9	11½	3¾	16	36.00
50445	50411	6600-13200	200	11½	9¾	12½	5	17½	42.00
50446	50412	13200-23000	200	13	8¾	11½	6	19	46.00

DISCONNECTING SWITCHES



Trade No.	Mfrs. No.	Voltage	Capacity Amperes	DIMENSIONS, INCHES					Price Each
				A	B	C	D	E	
50447	50413	0- 6600	200	8½	9	6¼	3¾	14½	\$18.00
50448	50414	0- 6600	400	8½	9	6¼	3¾	14½	22.00
50449	50415	0- 6600	600	8½	9	6¼	3¾	14½	25.00
50450	50416	6600-13200	200	11½	9¾	9¼	5	17½	20.00
50451	50417	13200-23000	200	13	8¾	10¾	6	19	28.00
50452	50418	Any voltage	Switch hook,	4 feet.....					3.00
50453	50419	Any voltage	Switch hook,	8 feet.....					4.00
50454	50420	Any voltage	Switch hook,	12 feet.....					5.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTINGHOUSE LIGHTNING ARRESTERS

SPARK-GAP TYPE FOR A. C. LIGHT AND POWER CIRCUITS

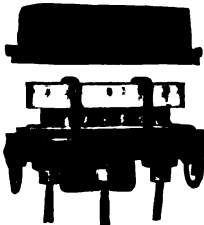
TYPE MP LIGHTNING ARRESTERS

For 100 to 750 Volts

Recommended especially for low-voltage alternating-current lighting and power distributing lines and for the protection of alternating-current motor installations. Consists of a large number of multiple-series gaps between carborundum particles. Has no resistance in the circuit, and therefore has a large discharge capacity and a comparatively low-voltage break-down point (about 1800). There are no moving parts to get out of order due to rust or improper alignment. Inspection required is negligible, and due to the simplicity of construction the total cost, including cost of maintenance, is extremely low.



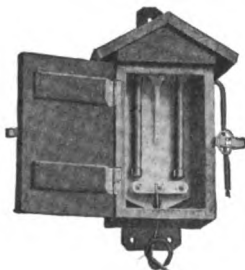
Type MP



Type C



Type CR



Type G

Trade No.	Mfrs. No.	Mounting	Voltage	APPROX. Net	Wt., Lbs. Boxed	Price Each
025126	230110	On wall or pole..	100 to 400	7½	9	\$5.65
184784	154297	On wall or pole..	400 to 750	7½	9	5.65

TYPES C, CR AND G LIGHTNING ARRESTERS

For 1000 to 2500 Volts

Of the multiple-gap type with spark gaps between non-arcing metal knurled cylinders.

The Type C has three leads and for voltages up to 1250 is connected as a double-pole arrester, the two end leads being connected to two line wires and the middle lead to ground. The Type C has no resistance and is therefore limited in application as follows: It should not be used for protection of station equipment. Where used for the protection of distributing transformers, on circuits connected direct to the generator it may be applied within two miles from the station when the generator capacity does not exceed 200 kilovolt-amperes, and for each additional mile from the station an additional 100 kilovolt-amperes of capacity is allowable. Where the generator capacity is over 200 kilovolt-amperes and the distributing circuit is fed by transformers instead of directly by the generator, this arrester can be applied as follows: For arresters installed within one mile of the transformers the capacity of the transformers should not exceed 20 kilovolt-amperes and for each additional mile of circuit an additional 2 kilovolt-amperes of transformer capacity is allowable. These transformer capacities refer only to transformers in the generating station or sub-station, and not to the distributing transformers that the arresters are to protect. Contained in a weatherproof iron box, adequately insulated from both line and ground and adapted for mounting on either pole or cross-arm.

The Type CR arrester is single-pole only and consists of a series of gaps similar to the Type C and a series resistor. This arrester is unlimited in application and therefore should be used for capacities higher than the limits of the Type C. Contained in a well insulated weatherproof iron case adapted for mounting on either pole or cross-arm. Has a hinged door on which the arrester element is mounted with electrical connections such that when the arrester is opened the element is entirely disconnected from the line, thus providing ample safety for inspection or replacement of the resistors.

The Type G consists of units similar to the Type CR mounted in one box, so as to form a multiple arrester. It has unlimited capacity. Contained in a well made weatherproof wooden box provided with a hinged wooden door, and is arranged for mounting on the pole or between the cross-arms.

Trade No.	Mfrs. No.	No. Poles	Description	APPROX. Net	Wt., Lbs. Boxed	Price Each
084788	62133	1 or 2	Type C arrester complete.....	7	9	\$5.15
084789	48231	....	Type C unit without case.....	2½	4½	3.15
084801	240916	1	Type CR arrester complete	10	13	6.00
084802	242017	....	Type CR unit without case	2	3	3.80
084800	223872	....	Type CR resistance rod	1⅓	1¼	1.05
084803	151225	2	Type G arrester	13½	35	16.00
084804	151224	3	Type G arrester	25	57	23.00
084805	151223	4	Type G arrester	25	57	26.00
125127	239186	....	Resistance rod for Type G arrester.....	½	2	1.40
125128	9587	....	Gap unit for Type G arrester	¼	½	1.15

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PACKARD INCANDESCENT LAMPS

LARGE MAZDA AND GEM LAMPS—EXTRA CHARGES

All extra percentage charges shall be figured on the basic list price of the clear lamps.

Tipless Lamps

The prices given in schedules cover lamps with a tip, unless otherwise indicated; for tipless lamps the additional charge is 10 per cent on Gem and 20 per cent on Mazda.

For anchoring filaments to the bulb in Gem Lamps, except in the case of such lamps as are regularly standardized with bulb anchored filaments, an additional charge of 3 cents list for each anchor shall be made.

Colored Lamps

For superficial coloring, excepting opal, add 15 per cent to list price of clear lamps. For superficial opal coloring (opal dipping) a lamp, the list additional charge to the price of the lamp is the same as the list additional charge for frosting the lamp. When 10000 or more of any one color of superficially colored lamps, or 10000 or more frosted lamps (not including a combination of the two) are ordered at one time, the additional charges are two thirds the regular charges. For natural colored lamps (except Styles S-14 and G-16½ bulbs), add the following percentages to the price of clear lamps: Green or blue, 50 per cent; purple, 75 per cent; ruby or opal, 100 per cent; amber or canary, 150 per cent. Mazda lamps in Styles S-14 and G-16½ bulbs, take the following percentages additional: Green or blue, 25 per cent; purple, 35 per cent; ruby or opal, 50 per cent; amber or canary, 60 per cent. The extra charges given above cover only bulbs of the manufacturers' standard colored glass. Specially colored glass bulbs will take a higher price, which will be furnished on application.

Bases

The prices in each schedule cover only the base or bases stated therein. For lamps fitted with other bases the prices may be obtained on application.

Lamps regularly fitted with medium screw unskirted base, if fitted with medium screw skirted base, will take an additional charge of 10 cents to list prices.

There shall be no reduction in the price of lamps which are regularly based when furnished unbased.

Etching Letters

The following charges for letters or designs on lamps are net, and are subject to no discount.

Class of Lamp	*Size in Watts	Net Price of Etching per Lamp	Class of Lamp	*Size in Watts	Net Price of Etching per Lamp
Gem	All Sizes	\$0.00¼	Mazda	81 to 150	\$0.01
Mazda	50 or less	.001½	Mazda	151 to 250	.01¼
Mazda	51 to 80	.00¾	Mazda	Over 250	.01½

*For street series lamps, size in candle power.

The net price of etching letters or designs on lamps given above applies only to the following:

The area to be etched on a lamp may be occupied by a standard design made up of heavy face Gothic letters, such letters not to be less than ⅜ inch nor more than ⅝ inch in height. The design or letters may be etched any place on the side of the bulb between the maximum diameter and base, but on Mazda lamps it must not be nearer to the base than the Mazda sand-blasted design. The etching area of designs to be placed on the side of the bulb shall not be greater than that given in the following table:

Size of Bulb	ETCHED AREA TO BE NOT GREATER THAN		Size of Bulb	ETCHED AREA TO BE NOT GREATER THAN	
	Length, In.	Height, In.		Length, In.	Height, In.
S-14 up to S-17	1	½	G-25 up to G-30	1¾	¾
S-17 up to S-21	1½	¾	G-30 up to G-40	2¼	1
S-21 up to S-30	1¾	1	G-40 and over	2½	1
S-30 up to S-40	2¼	1¼	T-8 up to T-10	¾	½
S-40 and over	2½	1¼	T-10 up to T-14	1	½
G-18½ up to G-25	1½	½	T-14 and over	1¾	1

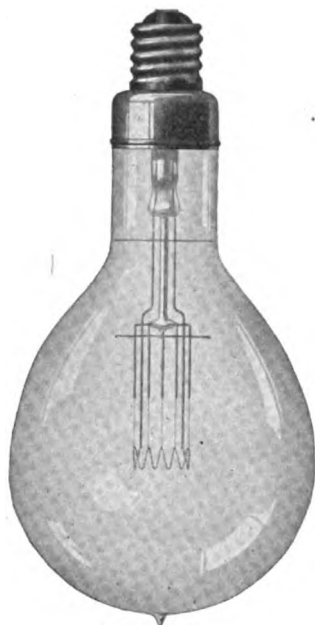
Tip etching must be limited to a design or lettering made up of heavy face Gothic letters, as given above, design or lettering having a diameter not greater than 1½ inches for a lamp whose bulb is 3½ inches or smaller in diameter, and limited to a diameter of 2 inches for larger bulbs. The additional charge for any etching not in accordance with the above may be obtained on application.

Special Lamps

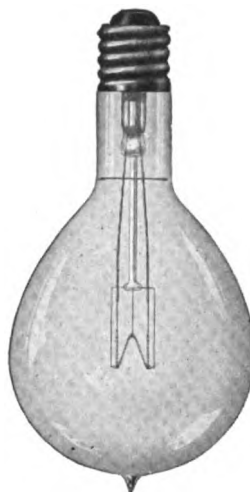
Any lamp requiring a change in construction from the standard, such as shape of bulb, number of loops in filament, number of anchors, wattage, voltage, etc., will take a special price, which may be obtained upon application.

As it is impossible always to produce an exact quantity of any special lamps ordered, or of any lamps to be made tipless (when listed tipped), or of any lamps to be furnished in natural colored bulbs, all such orders may be filled either short or in excess, within the limits of 10 per cent, and not more than two lamps short or excess on orders for twenty lamps or less.

PACKARD MAZDA C LAMPS



1000 Watts
PS-52 Bulb
Mazda C Multiple Lamp
(1/4 Actual Size)



400 C. P.
PS-40 Bulb
Mazda C Street Series Lamp
(1/4 Actual Size)

MAZDA C LAMPS FOR MULTIPLE CIRCUITS

The new high efficiency Mazda lamps are the latest development in the art of incandescent lamp manufacture. They are remarkably durable and produce a steady high candle power light of pure color quality. These lamps show but very little variation in light with voltage fluctuation and do not burn out with the most severe voltage surges ordinarily found on commercial lighting circuits. They operate on either direct or alternating current.

These lamps are ideal for store front illumination, for street lighting and for interior illumination, in factories, warehouses and large auditoriums. They do not require trimming or adjustment and for this reason may be placed in comparatively inaccessible locations. They consume but little electric current as compared with the great amount of light which they produce, and are unexcelled as a drawing advertisement for moving picture theaters, drug stores, restaurants and, in fact, stores of every description.

Because of the intense brightness of high efficiency Mazda lamps, it is recommended that diffusing glassware or reflector units be used with them. Fixtures used with these lamps should be ventilated and when lamps are installed outdoors they should be protected from the weather

MAZDA C LAMPS FOR SERIES CIRCUITS

The advent of the new high efficiency Mazda lamp means a revolution in outdoor lighting of every description and street lighting particularly.

The fact that the new lamps require almost no attention after they have once been installed—no trimming or adjustment—makes them especially suited to street lighting. In addition they successfully withstand the most severe voltage surges ordinarily found on lighting circuits.

These lamps may be used to replace older types of illuminants, usually without requiring any alteration of circuits or generating machinery.

Because of their concentrated light source, their light is easily directed by means of proper reflector units. Reflecting units used with these lamps should protect the lamp from the weather.

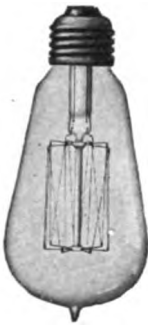
Complete Data Regarding the Styles and Sizes in which these Lamps are Made will be Found on other Pages

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

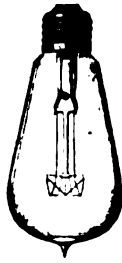
PACKARD MAZDA LAMPS

MEDIUM SCREW BASE

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



25, 40 and 50 Watts
105 to 125 Volts
S-19 Bulb
($\frac{1}{4}$ Actual Size)



B Coil
25 and 40 Watts
105 to 125 Volts
S-19 Bulb
($\frac{1}{4}$ Actual Size)



Sign-5 Watts
10 $\frac{1}{4}$ to 12 $\frac{1}{4}$ Volts
S-14 Bulb
($\frac{1}{4}$ Actual Size)



Sign-10 Watts
105 to 125 Volts
S-14 Bulb
($\frac{1}{4}$ Actual Size)



15, 25 and 40 Watts
105 to 125 Volts
G-25 Bulb
($\frac{1}{4}$ Actual Size)



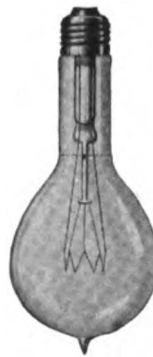
100 Watts
105 to 125 Volts
Skirted Base
S-30 Bulb
($\frac{1}{4}$ Actual Size)



Tubular
25 Watts
105 to 125 Volts
T-10 Bulb
($\frac{1}{4}$ Actual Size)



Stereopticon
250 Watts
G-30 Bulb
($\frac{1}{4}$ Actual Size)



Mazda C Multiple
100 Watts
PS-25 Bulb
($\frac{1}{4}$ Actual Size)



Mazda C Multiple
200 Watts
105-125 Volts
PS-30 Bulb
($\frac{1}{4}$ Actual Size)

PACKARD MAZDA LAMPS

SCHEDULE T-1

Medium Screw Base (Except where Otherwise Indicated)

MAZDA B—STRAIGHT SIDE

105 to 125 Volts

Trade No.	Rated Watts	Efficiency Watts per Spherical C. P.	Watts per Horizontal C. P.	Std. Pkg.	Type Bulb	Diam. Inches	Length Inches	Price, Each Clear	Price, Each Frosted
27165	10	1.67	1.30	100	S-17	2 $\frac{1}{8}$	4 $\frac{5}{8}$	\$0.27	\$0.30
27146	15	1.47	1.15	100	S-17	2 $\frac{1}{8}$	4 $\frac{5}{8}$	.27	.30
27147	20	1.41	1.10	100	S-17	2 $\frac{1}{8}$	4 $\frac{5}{8}$	.27	.30
27148	25	1.35	1.05	100	S-19	2 $\frac{3}{8}$	5 $\frac{1}{4}$	.27	.30
27166	40	1.32	1.03	100	S-19	2 $\frac{3}{8}$	5 $\frac{1}{4}$	.27	.30
81236	50	1.31	1.02	100	S-19	2 $\frac{3}{8}$	5 $\frac{1}{4}$	.28	.31
27167	60	1.28	1.	100	S-21	2 $\frac{5}{8}$	5 $\frac{1}{2}$	.36	.40
27151	100	1.22	.95	24	S-30	3 $\frac{3}{4}$	*7 $\frac{7}{8}$	.65	.72

220 to 250 Volts

27154	25	1.65	1.30	100	S-19	2 $\frac{3}{8}$	5 $\frac{1}{8}$	.33	.36
27155	40	1.42	1.12	100	S-19	2 $\frac{3}{8}$	5 $\frac{1}{8}$	.33	.36
27156	60	1.39	1.10	100	S-21	2 $\frac{5}{8}$	5 $\frac{7}{8}$	.45	.49
27157	100	1.27	1.	24	S-30	3 $\frac{3}{4}$	*7 $\frac{7}{8}$	.80	.87
27158	150	1.27	1.	24	S-35	4 $\frac{3}{8}$	*8 $\frac{3}{4}$	1.20	1.30
27159	250	1.20	.95	12	S-40	5	*10	2.00	2.15

MAZDA B COIL

105 to 125 Volts

109691	25	1.35	....	50	S-19	2 $\frac{3}{8}$	5 $\frac{1}{4}$	.32	.35
109692	40	1.32	....	50	S-19	2 $\frac{3}{8}$	5 $\frac{1}{4}$	.32	.35
109693	60	1.31	....	50	S-21	2 $\frac{5}{8}$	5 $\frac{1}{2}$	.41	.45

MAZDA C—PEARL SHAPE

105 to 125 Volts

81237	75	1.09	....	50	PS-22	2 $\frac{3}{4}$	6 $\frac{1}{8}$	.65	.70
27174	100	1.00	....	24	PS-25	3 $\frac{1}{8}$	7 $\frac{1}{8}$	1.00	\$1.05
27172	200	.90	....	24	PS-30	3 $\frac{3}{4}$	*8 $\frac{3}{8}$	2.00	\$2.07
27173	300	.82	....	24	PS-35	4 $\frac{3}{8}$	*9 $\frac{3}{4}$	3.00	\$3.10
27168	400	.82	....	12	PS-40	5	**10	4.00	\$4.15
27169	500	.78	....	12	PS-40	5	**10	4.50	\$4.65
27170	750	.74	....	8	PS-52	6 $\frac{1}{2}$	**13 $\frac{3}{8}$	6.00	\$6.25
27171	1000	.70	....	8	PS-52	6 $\frac{1}{2}$	**13 $\frac{3}{8}$	7.00	\$7.25

200 to 250 Volts

109694	200	1.00	....	24	PS-30	3 $\frac{3}{4}$	*8 $\frac{3}{8}$	2.20	\$2.27
109695	300	.92	....	24	PS-35	4 $\frac{3}{8}$	**9 $\frac{3}{4}$	3.60	\$3.70
109696	400	.90	....	12	PS-40	5	**10	4.80	\$4.95
109697	500	.85	....	12	PS-40	5	**10	5.40	\$5.55
109698	750	.82	....	8	PS-52	6 $\frac{1}{2}$	**13 $\frac{3}{8}$	7.20	\$7.45
109699	1000	.78	....	8	PS-52	6 $\frac{1}{2}$	**13 $\frac{3}{8}$	8.40	\$8.65

MAZDA B—SIGN

10 $\frac{1}{2}$ to 12 $\frac{1}{2}$ Volts

27160	2.5	1.52	1.20	100	S-14	1 $\frac{3}{4}$	4	.25	.28
27161	5	1.46	1.15	100	S-14	1 $\frac{3}{4}$	4	.25	.28

50 to 65 Volts

27163	5	1.73	1.35	100	S-14	1 $\frac{3}{4}$	4	.27	.30
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105 to 125 Volts

109700	7.5	1.92	1.50	100	S-14	1 $\frac{3}{4}$	4	.27	.30
27164	10	1.73	1.35	100	S-14	1 $\frac{3}{4}$	4	.27	.30

*Fitted with medium screw skirted base.

**Fitted with Mogul screw base.

§These are Mazda C lamps and are not recommended all frosted. Where frosting is necessary, bowl frosting is to be preferred and it is particularly recommended for lamps of 300 watts or less which are to be used in interior lighting where the glare would otherwise be objectionable.

Orders should specifically state if lamps are to be burned in other than pendent position.

¶Mogul screw base regularly supplied and recommended. Medium screw skirted base can be supplied at same price when specially ordered, but is not recommended, and attention is called to the fact that it is contrary to the Underwriters' rules to use Mazda C lamps of this wattage in medium screw sockets. With the medium screw skirted base the maximum over all length of this lamp is 10 $\frac{1}{4}$ inches, and the light center length is 7 $\frac{1}{2}$ inches.

Standard package discounts for lamps in the above schedule can be given only on orders for exact standard package quantities or multiples thereof. It is allowable, however, to combine in one standard package all sizes of lamps having the same standard package quantity; it is also allowable (for lamps having same standard package quantities) to combine different voltages and finishes of bulbs.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PACKARD MAZDA LAMPS

SCHEDULE T-2

Medium Screw Base (Except where Otherwise Indicated)

MAZDA B—ROUND BULB

105 to 125 Volts

Trade No.	Rated Watts	Efficiency Watts per Spherical C. P.	Std. Pkg.	Type Bulb	Diam. Inches	Length Inches	PRICE, EACH	
							Clear	Frosted
27175	*15	1.43	50	G-25	3 $\frac{1}{8}$	4 $\frac{3}{4}$	\$0.45	\$0.50
27176	*25	1.31	50	G-25	3 $\frac{1}{8}$	4 $\frac{3}{4}$	.45	.50
27177	40	1.30	50	G-25	3 $\frac{1}{8}$	4 $\frac{3}{4}$	.45	.50
27178	60	1.20	24	G-30	3 $\frac{3}{4}$	5 $\frac{1}{2}$	.65	.72
27179	100	1.14	24	G-35	4 $\frac{3}{8}$	7 $\frac{1}{4}$	.95	1.05

220 to 250 Volts

27183	25	1.50	50	G-25	3 $\frac{1}{8}$	4 $\frac{3}{4}$	.55	.60
27184	40	1.41	50	G-25	3 $\frac{1}{8}$	4 $\frac{3}{4}$	.55	.60

MAZDA B—TUBULAR

105 to 125 Volts

Trade No.	Rated Watts	Efficiency Watts per Spherical C. P.	Std. Pkg.	Type Bulb	Diam. Inches	Length Inches	PRICE, EACH	
							Clear	Frosted
27188	25	1.35	100	T-10	1 $\frac{1}{4}$	5 $\frac{7}{8}$	\$0.50	\$0.55
27190	25	1.44	50	T- 8	1	12	.95	1.05
27191	40	1.39	50	T- 8	1	12	.95	1.05

MAZDA C—ROUND STEREOPTICON

105 to 125 Volts

Trade No.	Rated Watts	Efficiency Watts per Spherical C. P.	Std. Pkg.	Type Bulb	Diam. Inches	Length Inches	PRICE, EACH	
							Clear	Bull's-eye
27189	100	1.00	50	G-25	3 $\frac{1}{8}$	5	\$1.35	....
27194	†250	.80	24	G-30	3 $\frac{3}{4}$	5 $\frac{1}{2}$	2.70	....

*The 15 and 25-watt round bulb Mazda lamp is regularly supplied in Style G-25 bulb. These lamps can be supplied in Style G-18 $\frac{1}{2}$ bulb (standard package quantity 100) at 45 cents clear and 48 cents frosted.

†This lamp may be supplied without extra charge fitted with unskirted Mogul screw base, giving a light center length of 3 $\frac{1}{2}$ inches and a maximum over all length of 5 $\frac{7}{8}$ inches.

Can be burned in any position except within 45 degrees of vertical, base up.

Standard package discounts for lamps in the schedule above can be given only on orders for exact standard package quantities or multiples thereof. It is allowable, however, to combine in one standard package lamps of all sizes having the same standard package quantity; it is also allowable (for lamps having same standard package quantities) to combine different voltages and finishes of bulbs.

NOTE.—The watts per horizontal C. P. of the Mazda B lamps are as follows: 105-125 volts, 15-watt G-18 $\frac{1}{2}$, \$1.22; 15-watt G-25, \$1.14; 25-watt G-18 $\frac{1}{2}$, \$1.13; 25-watt G-25, \$1.05; 40-watt G-25, \$1.04; 60-watt G-30, \$0.96; 100-watt G-35, \$0.91; 25-watt T-10, \$1.05. 220-250 volt, 25-watt G-25, \$1.20; 40-watt G-25, \$1.13.

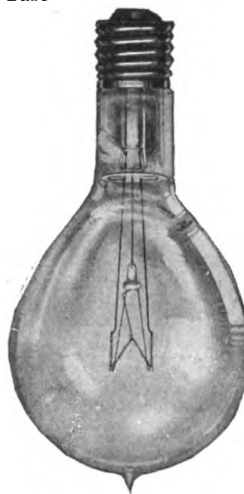
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PACKARD MAZDA LAMPS

STREET SERIES—MAZDA C HIGH EFFICIENCY

SCHEDULE T-6

Fitted with Mogul Screw Base*

Style S-24½, 60, 80 and 100 C. P.
(¼ Actual Size)

Style PS-40 Bulb—(¼ Actual Size)

Trade No.	Amperes	C. P.	Average Volts	Style Bulb	Diam. Inches	Max. Length Inches	Std. Pkg.	Price, Each Clear	Price, Each Frosted†
81146	5.5	60	8.5	S-24½	3½	7¼	50	\$1.00	\$1.05
81147	5.5	80	10.8	S-24½	3½	7¼	50	1.20	1.25
81148	5.5	100	13.0	S-24½	3½	7¼	50	1.20	1.25
81149	5.5	250	29.7	PS-35	4⅜	9¾	24	2.35	2.45
81150	5.5	400	47.4	PS-40	5	10	12	4.00	4.15
81151	6.6	60	7.1	S-24½	3½	7¼	50	1.00	1.05
81139	6.6	80	9.1	S-24½	3½	7¼	50	1.20	1.25
81140	6.6	100	10.9	S-24½	3½	7¼	50	1.20	1.25
81141	6.6	250	23.5	PS-35	4⅜	9¾	24	2.35	2.45
81142	6.6	400	37.1	PS-40	5	10	12	4.00	4.15
81143	6.6	600	55.7	PS-40	5	10	12	5.00	5.15
81152	7.5	60	6.4	S-24½	3½	7¼	50	1.00	1.05
29168	7.5	80	7.8	S-24½	3½	7¼	50	1.20	1.25
81153	7.5	100	9.6	S-24½	3½	7¼	50	1.20	1.25
29169	7.5	250	19.6	PS-35	4⅜	9¾	24	2.35	2.45
81154	7.5	400	30.5	PS-40	5	10	12	4.00	4.15
81155	7.5	600	45.8	PS-40	5	10	12	5.00	5.15
81156	15	400	14.4	PS-40	5	12½	12	4.00	4.15
29171	20	600	15.5	PS-40	5	12½	12	5.00	5.15
29172	20	1000	25.9	PS-40	5	12½	12	6.00	6.15

*Medium screw skirted base also supplied at same price, except the 400, 600 and 1000 candle power lamps, which are supplied only with Mogul Screw Unskirted Base.

†These lamps are not recommended frosted. If frosted lamps are required, bowl frosted lamps are to be preferred.

Orders for lamps of 250 candle power and higher should specifically state if they are to be burned in other than pendent position.

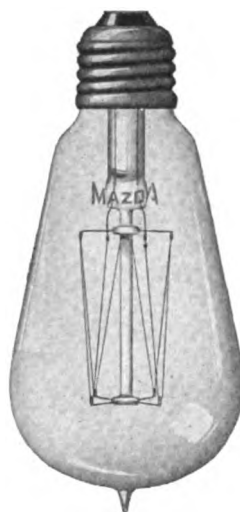
Standard package discounts for lamps in the above schedule can be given only on orders for exact standard package quantities or multiples thereof. It is allowable, however, to combine in one standard package all sizes of lamps having the same standard package quantity; also to combine lamps having same standard package quantities of different voltages and finishes of bulbs.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PACKARD MAZDA LAMPS



Round Bulb, G-18½
(½ Actual Size)



Straight Side Bulb, S-19
(½ Actual Size)



Locomotive Headlight
G-25 Bulb
(½ Actual Size)

TRAIN LIGHTING AND COMPENSATOR MAZDA—ROUND BULB—SCHEDULE T-7
25 to 34 and 50 to 65 Volts—Fitted with Medium Screw Base

Trade No.	Voltage	Efficiency		Std. Pkg.	Type Bulb	Diam. Inches	Length Inches	Price, Each	
		Rated Watts	Watts per Spherical C. P.					Clear	Frosted
29237	10	1.44	100	G-18½	2⅝	3¾	\$0.36	\$0.39
29238	15	1.38	100	G-18½	2⅝	3¾	.36	.39
29239	20	1.36	100	G-18½	2⅝	3¾	.36	.39
29240	25	1.36	100	G-18½	2⅝	3¾	.36	.39
29241	40	1.22	24	G-30	3¾	6¼	.65	.72
30 to 34 and 60 to 65 Volts—Fitted with Skirted Medium Screw Base									
102791	75	1.16	24	G-30	3¾	6¼	.75	.82

TRAIN LIGHTING AND COMPENSATOR MAZDA—STRAIGHT SIDE BULB—SCHEDULE T-7
25 to 34 and 50 to 65 Volts—Fitted with Medium Screw Base

Trade No.	Voltage	Rated Watts	Efficiency Watts per Spherical C. P.	Std. Pkg.	Type Bulb	Diam. Inches	Length Inches	Price, Each Clear	Price, Each Frosted
29242	10	1.50	100	S-17	2⅝	4⅝	.27	.30
29244	15	1.44	100	S-17	2⅝	4⅝	.27	.30
29246	20	1.41	100	S-17	2⅝	4⅝	.27	.30
29249	25	1.41	100	S-19	2⅝	5¼	.27	.30
29250	40	1.28	100	S-19	2⅝	5¼	.27	.30

MAZDA C LOCOMOTIVE HEADLIGHT—ROUND BULB—SCHEDULE T-7
Fitted with Medium Screw Base†

Trade No.	Voltage	Rated Watts	Efficiency Watts per Spherical C. P.	Std. Pkg.	Type Bulb	Diam. Inches	Length Inches	Price, Each Clear	Price, Each Frosted
29256	5½-6	*36	.85	100	G-18½	2⅝	3¾	1.25	....
29257	5½-6	*72	.80	50	G-25	3⅛	4¾	1.50	....
29258	5½-6	*108	.75	24	G-30	3¾	5⅞	1.75	....
29259	30-34	100	1.00	50	G-25	3⅛	4¾	1.50	....
29260	30-34	150	.90	50	G-25	3⅛	4¾	2.00	....
29261	30-34	250	.80	24	†G-30	3¾	5½	3.00	....

ELECTRIC STREET RAILWAY MAZDA—STRAIGHT SIDE BULB—SCHEDULE T-5
Fitted with Medium Screw Base

Trade No.	Voltage	Rated Watts	Efficiency Watts per Spherical C. P.	Std. Pkg.	Type Bulb	Diam. Inches	Length Inches	Price, Each Clear	Price, Each Frosted
29779	105, 110, 115, 120, 125 or 130	23	1.42	100	S-19	2⅝	5¼	.27	.30
29789		36	1.40	100	S-19	2⅝	5¼	.27	.30
29793		56	1.31	100	S-21	2⅝	5¼	.36	.40
29794		94	1.24	50	S-24½	3⅛	7⅞	.65	.72

105, 110, 115, 120, 125 and 130-volt lamps are selected for amperes and are labeled five in series on 525, 550, 575, 600, 625 and 650 volts, respectively.

*The 36, 72 and 108-watt lamps, normal ratings, consume 6, 12 and 18 amperes, respectively.

†Fitted with medium screw base, except the 108-watt lamp, which is fitted with Mogul Screw Base.

‡Can be burned in any position except within 45 degrees of vertical, base up.

Standard package discounts for lamps in the above schedule can be given only on orders for the exact standard package quantity or multiples thereof. It is allowable to combine in one package lamps of various sizes having the same standard package quantity; also to combine lamps of different voltages and finishes of bulbs.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PACKARD GEM LAMPS

SCHEDULE G-1

Medium Screw (Unskirted) Base, 105 to 125 Volts Only

20 and 30 Watts
($\frac{1}{4}$ Actual Size)50 Watts
($\frac{1}{4}$ Actual Size)

STRAIGHT SIDE

Trade No.	Rated Watts	Watts, per Mean Hor. C. P.	STANDARD PACKAGE Ship. Qty.	Min. No.	Style Bulb	Diam. Inches	Length Inches	PRICE, EACH Clear	PRICE, EACH Frosted
29215	20	4	250	200	S-17	$2\frac{1}{8}$	$4\frac{1}{2}$	\$0.20	\$0.22 $\frac{1}{2}$
29216	30	3	250	200	S-17	$2\frac{1}{8}$	$4\frac{1}{2}$	.20	.22 $\frac{1}{2}$
29217	40	2.56	250	200	S-19	$2\frac{3}{8}$	$5\frac{1}{8}$	.20	.22 $\frac{1}{2}$
29218	50	2.50	250	200	S-19	$2\frac{3}{8}$	$5\frac{1}{8}$	.20	.22 $\frac{1}{2}$
29219	60	2.50	250	200	S-19	$2\frac{3}{8}$	$5\frac{1}{8}$.20	.22 $\frac{1}{2}$

STRAIGHT SIDE—MILL TYPE

29222	60	2.60	250	200	S-19	$2\frac{3}{8}$	$5\frac{1}{8}$.20	.22 $\frac{1}{2}$
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ROUND

29223	50	2.50	100	100	*G-25	$3\frac{1}{8}$	$4\frac{5}{8}$.25	.28
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*The 50-watt round bulb lamp is regularly supplied in G-25 bulb but can be supplied in G-18 $\frac{1}{2}$ bulb 3.0 w. p. c. (standard package, 200) at \$.25 clear and \$0.27 $\frac{1}{2}$ frosted, but is not recommended.

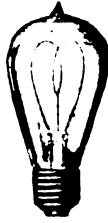
Standard package discounts for lamps in the schedule above can be given only on orders for exact standard package quantities or multiples thereof. It is allowable, however, to combine in standard packages all sizes of lamps having the same standard package quantity; it is also allowable (for lamps having the same standard package quantities) to combine different voltages and finishes of bulbs.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CARBON LAMPS



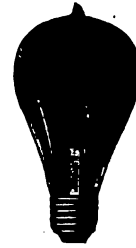
Sign S-14 Bulb



Regular S-17 Bulb



Regular P-19 Bulb



Regular P-21 Bulb

EXTRA CHARGES

All extra percentage charges shall be figured on the basic list price of the clear lamps.

Tipplers Lamps

The prices given in schedules cover lamps with a tip, unless otherwise indicated; for tipless lamps the additional charge is 10 per cent.

Colored Lamps

For superficial coloring (all schedules), add 25 per cent to list price of clear lamps, subject to discount. For natural colored lamps, add the following percentage charges to the price of clear lamps: Green or blue, 50 per cent; purple, 75 per cent; ruby or opal, 100 per cent; amber or canary, 150 per cent.

The extra charges given above cover only standard colored glass. Specially colored glass bulbs will take a higher price, which will be furnished on application.

Special Lamps

The price of any lamp not listed in the schedules may be obtained on application.

As it is impossible always to produce an exact quantity of any special lamps ordered, or of any lamps to be made tipless (when listed tipped), or of any lamps to be furnished in natural colored bulbs, the right is reserved to fill all such orders either short or in excess, within the limits of 10 per cent, and not more than two lamps short or excess on orders for 20 lamps or less.

Bases

The prices on each schedule cover only the base or bases stated therein. The price of lamps fitted with other bases may be obtained on application.

No reduction in the price of lamps regularly based, when furnished unbased.

Etching Letters

For etching letters or designs on lamps, add $\frac{1}{4}$ cent per lamp net.

STRAIGHT SIDE TYPE

SCHEDULE C-1

Fitted with Medium Screw Base

105 to 125 Volts

Trade No.	Type	Size of Lamp Watts	Efficiency W. P. C.	Mean Hor. C. P.	STANDARD PACKAGE Ship. Qty.	Minimum No.	Style Bulb	Bulb Diam. Inches	Length Inches Over All	PRICE, EACH Clear	Frosted
27247	Sign	10	5	2	250	200	S-14	1 $\frac{3}{4}$	3 $\frac{1}{2}$	\$0.14	\$0.16 $\frac{1}{2}$
27248	Sign	20	4.15	4.8	250	200	S-14	1 $\frac{3}{4}$	3 $\frac{1}{2}$	.14	.16 $\frac{1}{2}$
220 to 250 Volts											
27249	Sign	30	5.9	5.1	250	200	P-19	2 $\frac{3}{8}$	4 $\frac{5}{8}$	.16	.18 $\frac{1}{2}$
105 to 125 Volts											
27250	Regular	20	4.15	4.8	250	200	S-17	2 $\frac{1}{8}$	4 $\frac{1}{2}$	.14	.16 $\frac{1}{2}$
27252	Regular	30	3.23	9.3	250	200	S-17	2 $\frac{1}{8}$	4 $\frac{1}{2}$	.14	.16 $\frac{1}{2}$
27253	Regular	50	2.97	16.8	250	200	S-19	2 $\frac{3}{8}$	5 $\frac{1}{8}$	.14	.16 $\frac{1}{2}$
27254	Regular	60	2.97	20.2	250	200	S-19	2 $\frac{3}{8}$	5 $\frac{1}{8}$	.14	.16 $\frac{1}{2}$
220 to 250 Volts											
27257	Regular	35	4.40	8	250	200	P-19	2 $\frac{3}{8}$	4 $\frac{5}{8}$	.16	.18 $\frac{1}{2}$
27258	Regular	60	3.69	16.3	250	200	P-21	2 $\frac{3}{8}$	5	.16	.18 $\frac{1}{2}$

ELECTRIC STREET RAILWAY LAMPS

SCHEDULE C-2

Fitted with Medium Screw Base

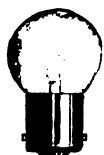
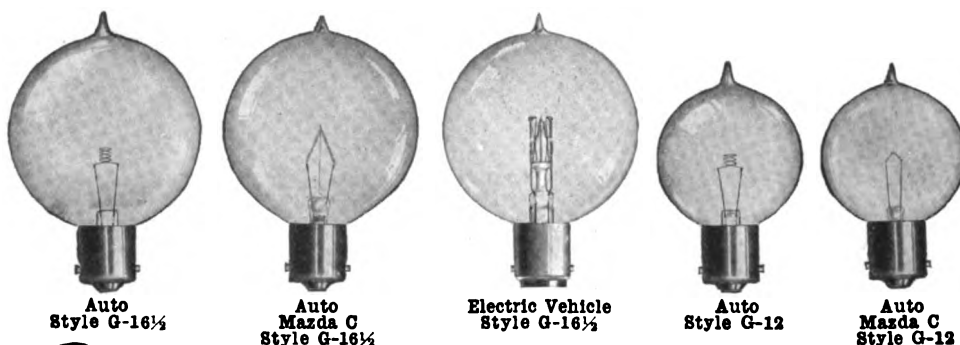
105 to 130 Volts

29194	Regular	64	4	16.3	250	200	S-19	2 $\frac{3}{8}$	5 $\frac{1}{8}$.14	.16 $\frac{1}{2}$
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The lamps listed above are selected for amperes and are labeled for use, five in series, on the following voltage groups: 105, 110, 115, 120, 125 and 130 volts on 525, 550, 575, 600, 625 and 650 volts, respectively. Standard package discounts and allowances for lamps in above schedules can be given on orders for not less than a standard package quantity of one type and size of bulb. For any one type and size of bulb, lamps of different voltages, wattages, efficiencies and finish of bulb may be combined in one package.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MINIATURE MAZDA LAMPS

Auto
Style G-8Flash Light
Style G-4 1/2Style FE-3 1/4
Flash LightFlash Light
Style G-3 1/2Dry Battery
Style G-5 1/2Candelabra
Style D

EXTRA CHARGES

All extra percentage charges shall be figured on the basic list price of the clear lamps.

Tipless Lamps

The prices given in schedules cover lamps with a tip, unless otherwise indicated.

For Mazda tipless miniature lamps not listed as tipless in schedules, add 20 per cent to list prices.

For anchoring filaments to the bulb, except in the case of such lamps as are regularly standardized with bulb anchored filaments, an additional charge of 3 cents list for each anchor shall be made.

Colored Lamps

For superficial coloring, add 6 cents to list price.

For natural colored lamps, add the following percentage charges to the price of clear lamps: On bulbs of 2 3/8-inch or larger diameter: Green or blue, 50 per cent; purple, 75 per cent; ruby or opal, 100 per cent; amber or canary, 150 per cent. On bulbs of less than 2 3/8-inch diameter: Green or blue, 25 per cent; purple, 35 per cent; ruby or opal, 50 per cent; amber or canary, 60 per cent.

The extra charges given above cover only bulbs of the manufacturers' standard colored glass. Specially colored glass bulbs will take a higher price, which will be furnished on application.

When 200 or more lamps of one color and size of bulb are ordered at one time, the additional charges for natural colored lamps are one half the above percentages.

Bases

There shall be no reduction in the price of lamps which are regularly based, when furnished unbased.

The prices in each schedule cover only the base or bases stated therein. For lamps fitted with other bases the following additional charges per lamp are to be added to list and are subject to discount: German Candelabra, French Miniature and Candelabra, 5 cents.

Special Lamps

The price of any lamp not listed in the schedules may be obtained on application.

As it is impossible always to produce an exact quantity of any special lamps ordered, or of any lamps to be made tipless (when listed tipped), or of any lamps to be furnished in natural colored bulbs, the right is reserved to fill all such orders either short or in excess, within the limits of 10 per cent, and not more than two lamps short or excess on orders for twenty lamps or less.

CANDELABRA AND DECORATIVE LAMPS

Regularly Fitted with Unskirted Candelabra Screw Base—15 Watts, 105-125 Volts

Trade No.	Description	Type Bulb	Diam. Bulb Inches	Length Over All Inches	Unit Pkg.	PRICE, EACH	
						Clear	Frosted
53577	Candelabra, Style B	B- 9 1/2	1 3/8	3 3/4	5	\$0.55	\$0.60
53578	Candelabra, Style D	D-10	1 1/4	3 1/2	5	.55	.60
53579	Candelabra, Style E	T- 8	1	3 3/4	5	.55	.60
53580	Candelabra, Style G	G-16 1/2	2 1/8	3 1/8	5	.55	.60
53581	Decorative, Style F	S-12 1/2	1 7/8	3 1/2	5	.55	.60

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MINIATURE MAZDA LAMPS FOR FLASH LIGHT SERVICE

**Regularly Fitted with Miniature Screw Base

Trade No.	Description	Volts	Amperes	Type Bulb	Diam. Bulb Inches	Length Over All Inches	Unit Pkg.	Std. Pkg.	Price Each Clear
53598	Flash Light Clear Side Tip or Tipless	2.7	.35	G-3½	7/8	1 1/8	10	100	\$0.13
53561		3.8	.35	G-3½	7/8	1 1/8	10	100	.13
53599		2.9	.35	G-4½	9/8	1 1/8	10	100	.13
53562		3.8	.35	G-4½	9/8	1 1/8	10	100	.13
53600		4	.35	G-4½	9/8	1 1/8	10	100	.13
53563	Flash Light Opal Back Tipless	6.2	.35	*G-5½	1 1/8	1 3/8	10	100	.13
53564		2.5	.35	FE-3¾	1 1/8	3/4	10	100	.13
53631		3.8	.35	FE-3¾	1 1/8	3/4	10	100	.13
53565		2.5	.25	FE-4¼	1 1/8	5/8	10	100	.13

††FOR STANDARD DRY BATTERY SERVICE

53590	1 Cell, 1 C. P.	1.5	.7 & .6	G-5½	1 1/8	1 3/8	10	100	.15
53591	Min. Base	1.5	.7 & .6	G-4½	9/8	1 1/8	10	100	.15
53638	2 Cells, 1 and 2 C. P., Min. Base	3	.42 & .8	G-5½	1 1/8	1 3/8	10	100	.15

FOR AUTOMOBILE AND ELECTRIC VEHICLE SERVICE

Lamps for Three-cell (Lead Type) Storage Battery-generator Lighting Systems (6-8 Volts)

Trade No.	Description	Volts	Approx. Amps.	C. P. W. P. S. O-P	Type Bulb	Diam. of Bulb Inches	Length Over All Inches	Base	Unit Pkg.	Std. Pkg.	Price Each Clear	
53567	{ Rear and Speedometer } (Series Burning)	3- 4	.84	2	1.35	G- 6	3/4	1 1/8	†	10	100	\$0.21
53568	Rear and Speedometer	6- 8	.42	2	1.35	G- 6	3/4	1 1/8	†	10	100	.21
53569	Side	6- 8	.84	4	1.18	G- 8	1	1 7/8	†	10	100	.21
53573	Headlight (Mazda B.)	6- 8	2	12	.95	G-12	1 1/2	2 1/2	†	5	100	.27
53574	Headlight (Mazda B.)	6- 8	2.5	15	.95	G-16 1/2	2 1/8	3 1/8	†	5	100	.27

Lamps for Six-cell (Lead Type) Storage Battery-generator Lighting Systems (12-16 Volts)

53632	{ Rear and Speedometer (Series Burning) }	6-8	.42	2	1.35	G-6	3/4	1 1/8	†	10	100	.21
53633	Rear and Speedometer	12-16	.26	2	1.35	G-6	3/4	1 1/8	†	10	100	.24
53634	Side	12-16	.42	4	1.18	G-8	1	1 7/8	†	10	100	.24
53635	Headlight (Mazda B.)	12-16	1	15	1	G-16½	2 1/8	3 1/8	†	5	100	.30

High Efficiency Mazda C Lamps

Lamps for Three, Six and Nine-cell (Lead Type) Storage Battery-generator Lighting Systems (6-8, 12-16 and 18-24 Volts, Respectively)

34743	Headlight	6-8	1.5	12	.80	G-8	1	1 7/8	†	10	100	.40
34744	Headlight	6-8	1.5	12	.80	G-12	1 1/2	2 1/2	†	5	100	.40
53587	Headlight	6-8	2.5	21	.80	G-12	1 1/2	2 1/2	†	5	100	.35
34739	Headlight	6-8	3	24	.80	G-12	1 1/2	2 1/2	†	5	100	.60
53588	Headlight	6-8	4	36	.80	G-16½	2 1/8	3 1/8	†	5	100	.75
34740	Headlight	12-16	1.5	24	.80	G-12	1 1/2	2 1/2	†	5	100	.37
34741	Headlight	12-16	2	40	.80	G-16½	2 1/8	3 1/8	†	5	100	.75
34742	Headlight	18-24	1	24	.80	G-12	1 1/2	2 1/2	†	5	100	.75

Lamps for Ford Car Lighting Systems (Magneto Type)

53589	{ Headlight (Mazda B) (Two in Series) }	9	2	15	1.10	G-16½	2 1/8	3 1/8	†	5	100	.27
53639	{ Headlight (Mazda C) (Two in Series) }	9	2	21	.90	G-12	1 1/2	2 1/2	†	5	100	.35

Lamps for Use upon Lead and Alkaline Type Electric Vehicle Storage Battery Circuits

Trade No.	Watts	Volts	W. P. S. C-P	Type Bulb	Diam. Bulb Inches	Length Over All Inches	Base	Unit Pkg.	Std. Pkg.	Price Each Clear
53575	15	{ 30-34 }	1.20	G-12	1 1/2	2 1/2	†	5	100	\$0.60†
53576	25	{ 40-44 }	1.20	G-16½	2 1/8	3 1/8	†	5	100	.60†
53582	8	{ 60-64 }	1.31	G-10	1 1/4	2 1/4	†	10	100	.60

*If fitted with candelabra screw or bayonet candelabra bases, 10 cents list additional.

**If fitted with spring contact, 3 cents list additional.

†All flash light lamps listed at .35 amp. may be supplied at .28 amp., and those listed at .25 amp. may be supplied at .21 amp., without extra charge.

†Fitted either with double-contact bayonet candelabra base or single-contact bayonet candelabra base. Can be supplied with candelabra screw base without extra charge.

††Can be fitted with bayonet candelabra single or double contact bases at 21 cents.

††If fitted with medium screw base or medium bayonet base, 5 cents list additional.

§Nominal volts. Actual volts, 1.35.

§§Nominal volts. Actual volts, 2.8 for .42-amp. lamps and 2.7 for .8-amp. lamps.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MINIATURE CARBON LAMPS

CANDELABRA

Illustrations One Half Actual Size



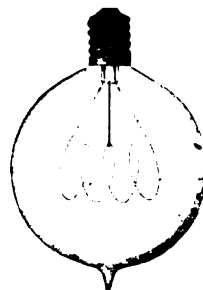
Style B



Style D



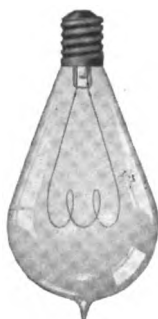
Style E



Style G-16½

Styles B and D are very popular lamps. Style D, when frosted, gives a flame effect. This style of lamp is always supplied frosted, unless otherwise specified. The Style E is a very compact lamp, but, due to its small bulb surface, gets very hot. Style G, the "ball" lamp, is one of the best styles of the candelabra type, and when frosted gives a very beautiful effect.

DECORATIVE



Style F



Style H



Style G-12

Style F is a miniature copy of the regular large lamp. It is specially designed for sign lighting where the grouping must be very close. Style H is for multiple burning on high voltages. Style G is similar to the candelabra Style G, except that it is somewhat smaller.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MINIATURE CARBON LAMPS

EXTRA CHARGES

Tipless Lamps

The prices given in schedules cover lamps with a tip, unless otherwise indicated. For carbon tipless miniature lamps, 10 per cent list additional.

Anchors

For anchoring filaments to the bulb, except in the case of such lamps as are regularly standardized with bulb anchored filament, an additional charge of 3 cents list for each anchor shall be made.

Frosted and Colored Lamps

For frosting and superficial coloring, add 2 cents list additional. For natural colored lamps, excepting ruby, opal, amber and canary, add 50 per cent to list prices of clear lamps. For ruby and opal, add 100 per cent, and for amber and canary, add 150 per cent to list prices of clear lamps.

These extra charges cover only bulbs of standard colored glass. Specially colored glass bulbs will take a higher price, which will be furnished on application.

Bases

There shall be no reduction in the price of lamps which are regularly based, when furnished unbased. The price in each schedule covers only the base or bases stated therein. For lamps fitted with other bases, the following list additional charges per lamp are to be added: German Candelabra, French Miniature and Candelabra, 4 cents; Bayonet Candelabra, no charge.

Special Lamps

The price of any lamp not listed in the schedules may be obtained on application.

As it is impossible always to produce an exact quantity on any special lamps ordered, or of any lamps to be made tipless (when listed as tipped), or of any lamps to be furnished with natural colored bulbs, or of those lamps listed in Schedule MC-1, the right is reserved to fill all such orders either short or in excess, within the limits of 10 per cent, and not more than two lamps short or in excess on orders of twenty lamps or less.

CANDELABRA AND DECORATIVE TYPES

SCHEDULE MC-1

For Telephone, Electric Vehicle, Candelabra and Decorative Service

Regularly fitted with slide, miniature screw or candelabra screw base, as indicated.

Trade No.	Description	C. P.	Volts	Style Bulb	Diam. Bulb Inches	Length Over All Inches	Base	Std. Pkg.	List Price Each Clear
53601	Telephone (Tipped)	....	4- 60	T- 2	$\frac{1}{4}$	...	Slide	100	\$0.20
53602	Telephone (Tipless)	....	4- 60	T- 2	$\frac{1}{4}$	...	Slide	100	.39
53604	Decorative	2 and 4	105-125	S- 9	$1\frac{1}{8}$	$2\frac{1}{4}$	Cand.	100	.20
53605			105-125	S-12 $\frac{1}{2}$	$1\frac{3}{8}$	$3\frac{1}{4}$	Cand.	100	.20
53606			105-125	G-12	$1\frac{1}{2}$	$2\frac{3}{8}$	Cand.	100	.23
53607	Electric	6	20- 90	S- 9	$1\frac{1}{8}$	$2\frac{1}{4}$	Cand.	100	.20
53608	Vehicle	8	20- 90	G-12	$1\frac{1}{2}$	$2\frac{3}{8}$	Cand.	100	.27
53609		8	105-125	B- 9 $\frac{1}{2}$	$1\frac{3}{8}$	$3\frac{1}{2}$	Cand.	100	.24
53610	Candelabra	8	105-125	T- 6	$\frac{3}{4}$	$3\frac{1}{4}$	Cand.	100	.24
53611		8	105-125	D-10	$1\frac{1}{4}$	$3\frac{3}{4}$	Cand.	100	.29
53612		8 and 16	105-125	G-16 $\frac{1}{2}$	$2\frac{1}{8}$	$3\frac{1}{8}$	Cand.	100	.24

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DECORATIVE MAZDA LAMPS

FRUIT, NUT, FLOWER AND ANIMAL DESIGNS IN COLORS

For Use on Lighting Circuits of 100 to 120 Volts for Christmas Tree Outfits, Decorations, Etc.



Strawberry



Raspberry



Tomato



Apple



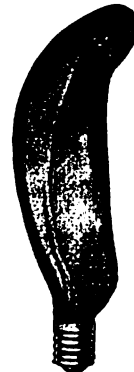
Pear



Orange



Peach



Banana



Pine Cone



Lily



Rose Bud



Rose



Robin



Parrot

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DECORATIVE MAZDA LAMPS

FRUIT, NUT, FLOWER AND ANIMAL DESIGNS IN COLORS

For Use on Lighting Circuits of 100 to 120 Volts for Christmas Tree Outfits, Decorations, Etc.



Policeman



Snowman



Trumpeter Girl



Dutch Girl



Santa Claus



St. Peter



Clown



Chicken



Lion



Cat and Fiddle



Monkey



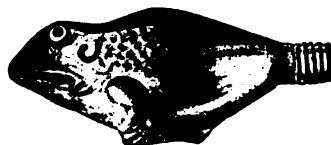
Dog



Cat



Fish



Frog

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CHRISTMAS TREE OUTFITS AND DECORATIVE MAZDA LAMPS

CHRISTMAS TREE OUTFITS

SERIES TYPES—PARALLEL CORD

Made for use on 100-120 volt regular lighting circuits, with 8-foot leader, green composition sockets, porcelain junction boxes, and Benjamin swivel attachment plugs.

Complete Outfits with 1-inch Round Mazda Lamps in Assorted Colors

Description	Mercerized Cotton Covered Cord			Silk Covered Cord		
	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
8-light outfit complete with 9 lamps.....	134608	2330	\$3.00	134618	2301	\$3.50
16-light outfit complete with 18 lamps.....	134609	2331	6.00	134619	2302	7.00
24-light outfit complete with 27 lamps.....	134610	2332	9.00	134620	2303	10.50
32-light outfit complete with 36 lamps.....	134611	2333	12.00	134621	2304	14.00
8-light extra festoon complete with 9 lamps	134612	2334	3.00	134622	2305	3.50
Strings only, without Lamps						
8-light string.....	134613	2364	1.50	134623	2354	2.00
16-light string.....	134614	2365	3.00	134624	2355	4.00
24-light string.....	134615	2366	4.15	134625	2356	5.65
32-light string.....	134616	2367	5.50	134626	2357	7.50
8-light extra festoon.....	134617	2368	1.30	134627	2358	1.80

BATTERY TYPES—MULTIPLE BURNING

Mercerized, Cotton Covered, Twisted Cord

Trade No.	Mfrs. No.	Description	Price Each
134628	2325	8-light battery outfit, one branch complete with eight 3½-volt 1-inch round Mazda lamps, assorted colors, with box for carrying three standard 6-inch dry cells, less batteries.....	\$2.50
134629	2310	8-light storage battery outfit, one branch complete with eight 6-volt 1-inch round Mazda lamps, assorted colors, less battery	3.25

All outfits are packed in holly paper boxes with lamps inserted in sockets for convenience of testing and proper display.

DECORATIVE MAZDA LAMPS

Series Type Lamps

1-inch round, 1 C. P. 14-volt, clear and superficially colored lamps intended for use only on electric lighting circuits of 100-120 volts. 8 lamps in a series.

Trade No.	Mfrs. No.	Description	Price Each
134630	01315	Style G-8 bulb, miniature base, clear.....	\$0.18
134631	01316	Style G-8 bulb, miniature base, frosted.....	.20
134632	01317	Style G-8 bulb, miniature base, red.....	.20
134633	01318	Style G-8 bulb, miniature base, blue.....	.20
134634	01319	Style G-8 bulb, miniature base, green.....	.20

Battery Type Lamps

1-inch round, 1 C. P. 3½-volt, clear and superficially colored lamps intended for use only on three standard 6-inch dry cells.

134635	045	Style G-8 bulb, miniature base, clear.....	.16
134636	046	Style G-8 bulb, miniature base, red.....	.18
134637	048	Style G-8 bulb, miniature base, blue.....	.18
134638	047	Style G-8 bulb, miniature base, green.....	.18

Fancy Mazda Lamps

1 C. P. 14-volt lamps, miniature base packed in holly paper boxes, 10 to a box in the assortments specified or 10 lamps of a kind in a box, as preferred.

134639	01322	Fruit lamps as follows: 1 pine cone, 2 peaches, 1 orange, 1 tomato, 1 apple, 1 raspberry, 1 strawberry, 2 pears.....	3.50
134640	01323	Large fruit lamps, as follows: 2 bananas, 2 oranges, 2 plums, 2 apples, 1 peach, 1 pear.....	4.00
134641	01324	Large rose lamps, as follows: 3 red, 3 yellow, 2 pink, 2 white....	4.00
134642	01325	Rosebud lamps, as follows: 3 red, 3 yellow, 2 pink, 2 white....	4.00
134643	01326	Lily lamps, as follows: 2 each of 5 different colors.....	4.00
134644	01327	Bird lamps, as follows: 2 canaries, 2 parrots, 2 bluebirds, 2 robins, 2 chickens.....	6.00
134645	01328	Animal lamps, as follows: 2 fish, 2 lions, 2 frogs, 1 cat, 1 dog, 1 monkey, 1 cat and fiddle.....	5.00
134646	01329	Figure lamps, as follows: 1 Santa Claus, 1 snowman, 1 Dutch girl, 2 policemen, 2 clowns, 1 trumpeter girl, 1 St. Peter, 1 St. Patrick.....	5.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HYLO-ECONOMICAL TURN DOWN LAMPS



No. 9



No. 7



No. 1

Convenient, safe and economical for the hall, sleeping room, bathroom, den, dining room, porch and other similar locations.

HYLO MAZDA LAMPS

No. 9—Pull String

Bulb is the same size as regular Mazda lamps.

Trade No.	Watts	Candle Power	Voltage	Std. Pkg.	Price Each
102689	25-5	20-1.2	105-125	100	\$0.90
102690	40-5	32-1.2	105-125	100	.90

Both filaments Mazda. 25 and 40-watt lamps can be assorted to make a standard package.

HYLO CARBON LAMPS

No. 7—Pull String

Trade No.	Candle Power	Voltage	Std. Pkg.	Price Each
046217	8- 1/2-out	50-125	250	\$0.60
046218	8- 1/2-out	220-250	250	.60
046219	16-1 -out	50-125	250	.60
046220	16-1 -out	220-250	250	.60
046221	32-1 -out	50-125	250	.75
046222	32-1 -out	220-250	250	.75

Hylo Carbon Lamps can be assorted in all candle powers and voltages to make a standard package.

ECONOMICAL CARBON LAMPS

No. 1—Pull String

046199	8- 1/2	50-125	250	.60
046200	8- 1/2	220-250	250	.60
046201	16-1	50-125	250	.60
046202	16-1	220-250	250	.60
046203	32-1	50-125	250	.75
046204	32-1	220-250	250	.75

No. 2—Turn Bulb

046205	8- 1/2	50-125	250	.60
046206	8- 1/2	220-250	250	.60
046207	16-1	50-125	250	.60
046208	16-1	220-250	250	.60
046209	32-1	50-125	250	.75
046210	32-1	220-250	250	.75

LONG DISTANCE CARBON LAMPS

No. 6—With 3-foot Cord and Switch

046211	8- 1/2-out	50-125	250	1.25
046212	8- 1/2-out	220-250	250	1.25
046213	16-1 -out	50-125	250	1.25
046214	16-1 -out	220-250	250	1.25
046215	32-1 -out	50-125	250	1.35
046216	32-1 -out	220-250	250	1.35

Extra length cords, add 3 cents per foot.

Carbon lamps can be furnished frosted at an additional expense of 5 cents per lamp.



No. 6

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DIM-A-LITES



No. 23



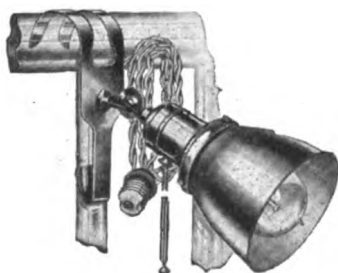
No. 24



No. 31



No. 32



No. 44

A series of devices for dimming or turning down a single incandescent lamp.

Can be used with either carbon or Mazda lamps up to 40 watts.

Five changes of light can be obtained, viz.: Full, half, dim, night light and out.

Saves current from 30 to 80 per cent, depending upon degree of turn down; U. S. government test.

Approved by Underwriters.

Suitable for any current, either direct or alternating.

The resistance wire and contact bars are imbedded in a solid fire-proof composition called Diel-ite, which prevents the wire from corroding.

Dim-A-Lite Attachments

No. 23. Pull chain, portable, interchangeable type. Furnished on all orders unless other types are specified. Fits any fixture or chandelier socket and takes any ordinary electric lamp.

No. 24. Portable shade holder type. Operated either by turning shade or pulling cord. Slight turn of shade gives any degree of light desired. Equipped with 2¼-inch shade holder. Preferred when the light is within easy reach.

Dim-A-Lite Fixture Sockets

No. 31. Standard chain pull Dim-a-lite fixture socket. Five changes of light, the same as No. 23 Dim-a-lite. Combines standard pull chain socket, Dim-a-lite and 2¼-inch shade holder. Attaches permanently to fixture by thread and set screw. ⅛-inch cap regularly furnished. Prices on other sizes on request.

No. 32. Standard chain pull Dim-a-lite fixture socket. Same as No. 31 except no shade holder is supplied. Slightly larger than the ordinary pull socket and can be used in a great many standard two-piece husks.

Dim-A-Lite Portable

No. 44. Dim-a-lite Portable provides a dimming portable fixture which may be attached to bed, crib, chair, bureau, etc. It has a universal holder and an adjustable hinge bracket, allowing for a wide range of adjustment.

Five changes of light. Supplied with cord and attachment plug.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
102686	23	Dim-a-lite.....	48	\$1.10
102687	24	Dim-a-lite.....	50	1.25
102685	31	Dim-a-lite socket.....	50	1.50
100895	32	Dim-a-lite socket.....	50	1.50
100896	44	Dim-a-lite portable.....	12	3.75

Standard finish, brush brass.

110 volts furnished unless otherwise ordered. Add 10 cents for 220 volts. Add 25 cents for 32 volts.

For special finishes on Dim-a-lites and fixture sockets add 25 cents; on Dim-a-lite Portable, add \$1.00.

Special voltages to order. Quotations on foreign type Dim-a-lites upon request.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FLASHERS AND SIGNS

SKEDOODLE SOCKET PLUGS

For Direct or Alternating Current



Skedoodle Plug

These plugs fit any ordinary sockets and standard lamps. They flash the lamps on and off automatically from 15 to 20 times per minute.

They are used extensively for many varied electrical decorative effects as well as for show windows and signs.

The hole in the cap is to reach the adjustment screw for changing the flash. The two bimetallic thermostats compensate for the change of temperature. The adjustment screw is gripped and cannot be affected by vibration. The contacts are platinum-iridium and very durable.

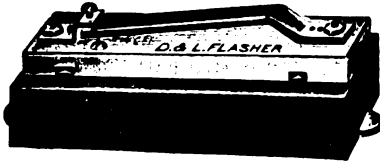
Approved by National Board of Fire Underwriters.



No. 1 Flasher

Trade No.	Mfrs. No.	Watts	Volts	Dimens. Inches	Net Wt. Ounces	Price Each
53815	162	20- 60	100-250	2 3/4 x 1 1/8	1 3/4	\$0.75
53818	163	60-100	100-250	2 3/4 x 1 1/8	1 3/4	.90

Standard package, 100.



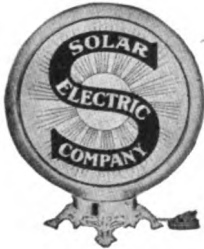
Nos. 5 and 6 Flasher

D. & L. ELECTRIC FLASHERS

For Automatically Flashing Electric Lights

These flashers operate on the thermo or heat expansion principle; on either alternating or direct current. Each flasher has a metal cover.

Many signs come within the range of these flashers. They are particularly adapted for flashing small signs, window displays, etc.

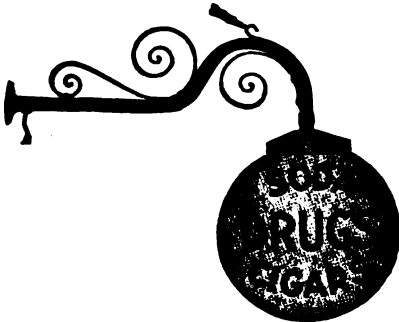


Solar Window Sign

Trade No.	Mfrs. No.	CAPACITY Amperes	Watts	PRICE, EACH 100-125-volts	220-volt
41751	1	1	110	\$2.00	\$2.40
41752	5	3	330	5.00	5.50
41753	6	6	660	5.50	6.00

SOLAR MONO CANTEEN ELECTRIC SIGNS

Especially adapted for doorways, stairways, halls, etc. Require only one lamp; 60-watt is recommended. Globe is made of white opal glass, flat sides. Letters cut into glass, cannot be removed. Complete with fixture wired ready to install, except incandescent lamp.



Solar Outdoor Sign

Window Signs

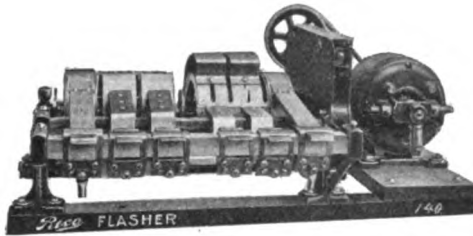
Trade No.	Size Inches	Price Each
58291	12	\$10.00

Outdoor Signs

Trade No.	Size Inches	Price Each
58292	16	18.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

RECO ELECTRIC SIGN FLASHERS



ON AND OFF TYPE

For flashing signs on and off, alternate sides, two or three color effects, etc. Has adjustable contacts, and minor or complete changes in flashing can be easily made.

Capacity, 6 Amperes per Switch

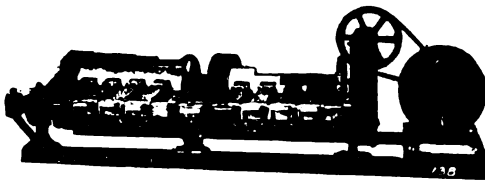
Trade No.	Mfrs. No.	No. of Switches	Size Inches	Wt., Lbs. Boxed	PRICE, EACH		
					With D. C. Motor, 110 V.	With A. C. Motor, 110 V., 60 Cy.	Steel Cabinet
56516	B-1-6	1	13x13x11	45	\$30.00	\$34.00	\$4.50
56517	B-2-6	2	15x13x11	50	32.00	36.00	4.50

For each additional switch add \$2.00.

Capacity, 15 Amperes per Switch

56520	B-1-15	1	15x13x11	50	34.00	38.00	4.50
56521	B-2-15	2	17x13x11	55	38.00	42.00	4.50

For each additional switch add \$4.00.



SPELLING TYPE

For spelling a word, flashing one letter after another until all are illuminated, then all out, then all on as one and out and repeat, or for flashing one line at a time, growing vines, sunbursts, etc. Heavy re-enforced switches, self-oiling gears, ball bearings and all late improvements.

Capacity, 3 Amperes per Switch

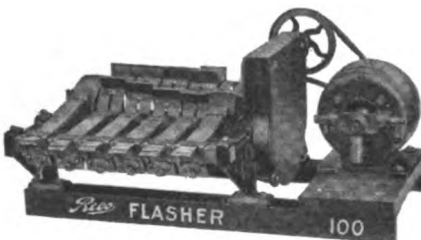
56522	4-3	4	16x13x11	40	31.00	35.00	4.50
56523	5-3	5	17x13x11	43	32.50	36.50	4.50

For each additional switch add \$1.50.

Capacity, 8 Amperes per Switch

56527	B-4-8	4	19x13x11	50	37.50	41.50	4.50
56528	B-5-8	5	21x13x11	55	40.00	44.00	5.00

For each additional switch add \$2.50.



LIGHTNING TYPE

Giving the effect of streaks of lightning in signs, displays, etc.

Lightning effects are wired, each streak on a separate circuit; thus a three-section lightning streak requires a three-switch flasher, etc. The flasher gives the natural lightning flash, same as seen in the sky.

Capacity, 5 Amperes per Switch

47557	L-3-5	3	16x13x11	40	33.50	37.50	4.50
47558	L-4-5	4	17x13x11	43	35.00	39.00	4.50

For each additional switch add \$2.00.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LAMP COLORING AND COLOR CAPS



Eaco Lamp Coloring

CRESCENT LAMP COLORING

A dipping can as shown is furnished with each bottle of lamp coloring.

Trade No.	Color	PRICE, EACH				
		1 Gal.	½ Gal.	1 Quart	1 Pint	½ Pint
106796	Blue	\$12.00	\$6.50	\$3.50	\$2.00	\$1.30
106797	Green	12.00	6.50	3.50	2.00	1.30
106798	Purple	12.00	6.50	3.50	2.00	1.30
106799	Amber	12.00	6.50	3.50	2.00	1.30
106800	Red	12.00	6.50	3.50	2.00	1.30
040982	Ruby	12.00	6.50	3.50	2.00	1.30
040983	Violet	12.00	6.50	3.50	2.00	1.30
040984	Canary	12.00	6.50	3.50	2.00	1.30
040985	Pink	12.00	6.50	3.50	2.00	1.30
040986	Frosting	12.00	6.50	3.50	2.00	1.30

CEFCO WEATHER-PROOF LAMP COLORING

A transparent coloring non-fading—guaranteed not to chip, blister or wash off during the life of any lamp outdoors.

Color	7-ounce Cans		15-ounce Cans		30-ounce Cans	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
Red	41799	\$1.50	41805	\$2.50	41811	\$4.50
Blue	41800	1.50	41806	2.50	41812	4.50
Green	41801	1.50	41807	2.50	41813	4.50
Amber	41802	1.50	41808	2.50	41814	4.50
Canary	41803	1.50	41809	2.50	41815	4.50
White Opal	41804	1.50	41810	2.50	41816	4.50



Ceeco Lamp Coloring

RECO COLORED GLASS LAMP HOODS

Made from natural colored blown glass, in six rich, clear colors for all sizes of lamps. Hoods never fade or wear out.

The hoods slip over the lamp bulbs easily and are securely held in place by a strong, yet flexible, non-corrosive phosphor-bronze spring fastening. Can be removed quickly in case of burnout or bulb breakage and used many times over.

Trade No.	Size Inches	Color	Std. Pkg.	Price Each
84868	1¾	Ruby	100	\$0.22
84869	1¾	Opal	100	.22
84870	1¾	Green	100	.21
84871	1¾	Purple	100	.21
84872	1¾	Amber	100	.21
84873	1¾	Blue	100	.21
84875	2⅜	Ruby	50	.35
84876	2⅜	Opal	50	.35
84877	2⅜	Green	50	.33
84878	2⅜	Purple	50	.33
84879	2⅜	Amber	50	.33
84880	2⅜	Blue	50	.33

Size 1¾-inch fits bulb Style S-14 or any lamp of 1¾-inch diameter, including 10-watt (2 candle power) carbon, 20-watt (4 candle power) carbon, 2½-watt and 5-watt, 10-13-volt, and 10-watt, 110-volt Mazda lamps.

Size 2⅜-inch fits bulb Style S-19 or any lamp of 2⅜-inch diameter, including 15-watt, 20-watt, 25-watt and 40-watt Mazda lamps, 8 candle power and 16 candle power carbon lamps.



Reco Colored Glass Hood

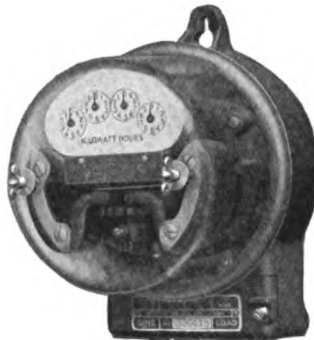
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SANGAMO WATT-HOUR METERS

TYPE H, SINGLE-PHASE AND POLYPHASE



Single-Phase
with Metal Case



Single-Phase
with Glass Case



Polyphase
with Metal Case



Polyphase
with Cover Removed

The Type H single-phase meter embodies the simple field arrangement characteristic of the well-known Gutmann meters manufactured by the Sangamo Electric Co. twelve years ago, but with the additional improvements suggested by sixteen years' broad experience in the meter art, particularly in the manufacture of mercury motor meters, requiring the highest degree of mechanical and electrical skill.

Mechanically and electrically, Type H meters, both single-phase and polyphase, with light moving elements, low frictional values and high ratio of torque to friction, more nearly meet the requirements of perfect A. C. integrating meters than any other design which has been developed. The single-phase meter is the smallest and most compact successful induction meter which has been brought out, the meter for 5 to 15 amperes, with metal case, weighing only 8 pounds; and for 25 to 100 amperes, having larger connection box, the complete meter with metal case weighs 9 pounds. The polyphase meter is the most compact and conveniently arranged polyphase meter which has been put on the market, weighing complete with metal case, in capacities 5 to 100 amperes, 17½ pounds.

The shunt loss in 110-volt, 60-cycle, single-phase meter is 1.1 watts, and the torque at full load is 48 millimeter-grams. The moving element in the single-phase meter weighs 15.2 grams, giving a very high ratio of torque to weight of moving element.

Guarantee

We will make good any defects in workmanship or material which may develop within two years from date of shipment.

Complete descriptive bulletins furnished on request.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SANGAMO SINGLE-PHASE WATT-HOUR METERS, TYPE H

100-125 Volts, Two-Wire

Amps.	TRADE NUMBER			Price*	Amps.	TRADE NUMBER			Price*
	25 Cycles	60 Cycles	133 Cycles	Each		25 Cycles	60 Cycles	133 Cycles	Each
5	39001	39025	39049	\$16.50	100	39073	39097	39121	\$48.00
10	39002	39026	39050	19.15	150	39074	39098	39122	55.00
15	39003	39027	39051	21.75	200	39075	39099	39123	60.00
25	39004	39028	39052	26.25	300	39076	39100	39124	64.00
50	39005	39029	39053	35.75	400	39077	39101	39125	70.00
75	39006	39030	39054	42.00	500	39078	39102	39126	77.00

200-250 Volts, Two-Wire

5	39009	39033	39057	18.25	100	39081	39105	39129	51.00
10	39010	39034	39058	21.00	150	39082	39106	39130	57.00
15	39011	39035	39059	23.75	200	39083	39107	39131	62.00
25	39012	39036	39060	28.75	300	39084	39108	39132	66.00
50	39013	39037	39061	39.00	400	39085	39109	39133	72.00
75	39014	39038	39062	45.00	500	39086	39110	39134	79.00

110-220 Volts, Three-Wire

5	39017	39041	39065	18.25	100	39089	39113	39137	51.00
10	39018	39042	39066	21.00	150	39090	39114	39138	57.00
15	39019	39043	39067	23.75	200	39091	39115	39139	62.00
25	39020	39044	39068	28.75	300	39092	39116	39140	66.00
50	39021	39045	39069	39.00	400	39093	39117	39141	72.00
75	39022	39046	39070	45.00	500	39094	39118	39142	79.00

220-440 Volts, Three-Wire

400-440 Volts, Two-Wire

550 Volts, Two-Wire

Amps.	TRADE NUMBER			TRADE NUMBER			TRADE NUMBER			Price*
	25 Cycles	60 Cycles	133 Cycles	25 Cycles	60 Cycles	133 Cycles	25 Cycles	60 Cycles	133 Cycles	Each
5	39145	39161	39177	39193	39209	39229	39245	39261	39277	\$28.00
10	39146	39162	39178	39194	39210	39230	39246	39262	39278	30.50
15	39147	39163	39179	39195	39211	39231	39247	39263	39279	33.50
25	39148	39164	39180	39196	39212	39232	39248	39264	39280	38.00
50	39149	39165	39181	39197	39213	39233	39249	39265	39281	48.00
75	39150	39166	39182	39198	39214	39234	39250	39266	39282	55.00
100	39151	39167	39183	39199	39215	39235	39251	39267	39283	61.00
150	39152	39168	39184	39200	39216	39236	39252	39268	39284	68.00
200	39153	39169	39185	39201	39217	39237	39253	39269	39285	73.00
300	39154	39170	39186	39202	39218	39238	39254	39270	39286	77.00
400	39155	39171	39187	39203	39219	39239	39255	39271	39287	82.00
500	39156	39172	39188	39204	39220	39240	39256	39272	39288	88.00

1100 Volts, Primary, Two-Wire

2200 Volts, Primary, Two-Wire

Amps.	TRADE NUMBER			TRADE NUMBER			Price†
	25 Cycles	60 Cycles	133 Cycles	25 Cycles	60 Cycles	133 Cycles	Each
5	39293	39309	39325	39341	39357	39373	\$80.00
10	39294	39310	39326	39342	39358	39374	81.50
15	39295	39311	39327	39343	39359	39375	83.00
25	39296	39312	39328	39344	39360	39376	84.50
50	39297	39313	39329	39345	39361	39377	86.00
75	39298	39314	39330	39346	39362	39378	88.00
100	39299	39315	39331	39347	39363	39379	90.00
150	39300	39316	39332	39348	39364	39380	95.00
200	39301	39317	39333	39349	39365	39381	100.00
300	39302	39318	39334	39350	39366	39382	104.00
400	39303	39319	39335	39351	39367	39383	110.00
500	39304	39320	39336	39352	39368	39384	116.50

Above trade numbers for meters with metal covers. Glass covers furnished at same price when specified in order.

*Prices include current transformers in sizes requiring them.

†Prices include current and potential transformers for all capacities. If potential transformer is not wanted, deduct \$40.00 from list, for any capacity, and so advise in order.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SANGAMO POLYPHASE WATT-HOUR METERS, TYPE H

THREE-WIRE, THREE-PHASE, AND THREE-WIRE OR FOUR-WIRE, TWO-PHASE

100-125 Volts									
Amps.	TRADE NUMBER			Price* Each	Amps.	TRADE NUMBER			Price* Each
	25 Cycles	60 Cycles	133 Cycles			25 Cycles	60 Cycles	133 Cycles	
5	39435	39467	39499	\$53.00	100	39531	39563	39595	\$ 94.00
10	39436	39468	39500	57.00	150	39532	39564	39596	103.00
15	39437	39469	39501	60.00	200	39533	39565	39597	108.00
25	39438	39470	39502	68.00	300	39534	39566	39598	118.00
50	39439	39471	39503	80.00	400	39535	39567	39599	130.00
75	39440	39472	39504	87.00	500	39536	39568	39600	145.00
200-250 Volts									
5	39443	39475	39507	60.00	100	39539	39571	39603	100.00
10	39444	39476	39508	64.00	150	39540	39572	39604	109.00
15	39445	39477	39509	67.00	200	39541	39573	39605	114.00
25	39446	39478	39510	75.00	300	39542	39574	39606	124.00
50	39447	39479	39511	87.00	400	39543	39575	39607	136.00
75	39448	39480	39512	94.00	500	39544	39576	39608	151.00
400-440 Volts									
5	39451	39483	39515	73.00	100	39547	39579	39611	115.00
10	39452	39484	39516	77.00	150	39548	39580	39612	122.00
15	39453	39485	39517	80.00	200	39549	39581	39613	127.00
25	39454	39486	39518	88.00	300	39550	39582	39614	137.00
50	39455	39487	39519	100.00	400	39551	39583	39615	150.00
75	39456	39488	39520	108.00	500	39552	39584	39616	164.00
550 Volts									
5	39459	39491	39523	73.00	100	39555	39587	39619	115.00
10	39460	39492	39524	77.00	150	39556	39588	39620	122.00
15	39461	39493	39525	80.00	200	39557	39589	39621	127.00
25	39462	39494	39526	88.00	300	39558	39590	39622	137.00
50	39463	39495	39527	100.00	400	39559	39591	39623	150.00
75	39464	39496	39528	108.00	500	39560	39592	39624	164.00
1100 Volts, Primary, Two-Wire					2200 Volts, Primary, Two-Wire				
Amps.	TRADE NUMBER			Price* Each	Amps.	TRADE NUMBER			Price* Each
	25 Cycles	60 Cycles	133 Cycles			25 Cycles	60 Cycles	133 Cycles	
5	39627	39643	39659	175.00	100	39675	39691	39707	175.00
10	39628	39644	39660	176.00	150	39676	39692	39708	176.00
15	39629	39645	39661	177.00	200	39677	39693	39709	177.00
25	39630	39646	39662	178.00	300	39678	39694	39710	178.00
50	39631	39647	39663	179.00	400	39679	39695	39711	179.00
75	39632	39648	39664	180.00	500	39680	39696	39712	180.00
100	39633	39649	39665	181.00		39681	39697	39713	181.00
150	39634	39650	39666	182.00		39682	39698	39714	182.00
200	39635	39651	39667	187.00		39683	39699	39715	187.00
300	39636	39652	39668	197.00		39684	39700	39716	197.00
400	39637	39653	39669	210.00		39685	39701	39717	210.00
500	39638	39654	39670	224.00		39686	39702	39718	224.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Above trade numbers are for meters with metal covers. Glass covers furnished at same price when specified in order.

*Prices include current transformers in sizes requiring them.

†Prices include current and potential transformers for all capacities. If potential transformer is not wanted, deduct \$30.00 from list, for any capacity, and so advise in order.

Prices on meters for higher voltage quoted on request.

Prices on meters for three-phase, four-wire circuits quoted on request.

SANGAMO DIRECT CURRENT WATT-HOUR METERS

MERCURY FLOTATION, TYPE D-5

Service Type Meter
Two-Wire

The Sangamo Mercury Motor Meters have now been on the market over ten years and the results obtained with these meters in all classes of direct current service more than justify the confidence we have felt in the principle of operation used in them.

These meters are now built in both two-wire and three-wire types, for all capacities and voltages. Bulletin No. 37 fully describing both types will be sent on request.

Service Type Meter
Three-Wire

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Amperes	100-125 Volts			Two-Wire, D. C. 200-250 Volts			400-650 Volts			Three-Wire, D. C.— 110-220 Volts		
	Trade No.	Price Each		Trade No.	Price Each		Trade No.	Price Each		Trade No.	Price Each	
10	38851	\$27.00		38872	\$32.00		38893	\$40.00		38929	\$42.00	
25	38920	31.00		38923	36.00		38926	44.00		38930	52.00	
50	38921	40.00		38924	45.00		38927	53.00		95160	62.00	
75	38922	48.00		38925	53.00		38928	61.00		95161	75.00	
100	38857	60.00		38878	65.00		38899	73.00		95162	95.00	
150	38858	70.00		38879	75.00		38900	83.00		95163	115.00	
200	38859	80.00		38880	85.00		38901	95.00		95164	135.00	
300	38860	90.00		38881	95.00		38902	103.00		95165	155.00	
400	38861	95.00		38882	100.00		38903	108.00		95166	165.00	
500	38862	105.00		38883	110.00		38904	118.00		95167	185.00	
600	38863	110.00		38884	115.00		38905	123.00		95168	195.00	
800	38864	115.00		38885	120.00		38906	128.00		95169	205.00	
1000	38865	122.00		38886	127.00		38907	135.00		95170	220.00	
1200	38866	130.00		38887	135.00		38908	143.00		95171	235.00	
1500	38867	135.00		38888	140.00		38909	148.00		95172	250.00	
2000	38868	148.00		38889	153.00		38910	161.00		95173	275.00	
3000	38869	175.00		38890	180.00		38911	188.00		95174	325.00	
4000	38870	200.00		38891	205.00		38912	213.00		95175	375.00	
5000	38871	240.00		38892	245.00		38913	253.00		95176	450.00	
6000	....	....		....	....		....	....		95177	525.00	
8000	....	....		....	....		....	....		95178	590.00	
10000	....	....		....	....		....	....		95179	725.00	
12000	....	....		....	....		....	....		95180	855.00	
15000	....	....		....	....		....	....		95181	975.00	

Prices on larger sizes up to 60000 amperes, on application.

10 amperes are without shunt; 25 to 75 amperes require internal shunts; 100 amperes and over require external shunts.

Pocket type shunts regularly supplied with meters of 100, 150 and 200 amperes capacity. Box type shunts will be furnished in these sizes, without extra charge, and regularly in larger capacities, up to and including 400 amperes. Open type shunts will be supplied in capacities 100 to 400 amperes, if desired, and regularly in all capacities 500 amperes and larger, complete with 5-foot cables. If longer cables are required on open type shunts, add following net prices:

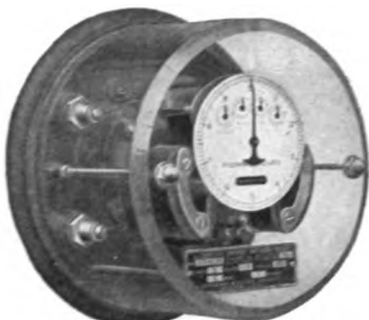
Total Distance, Shunt to Meter					
Trade No.	No. of Feet	Add Each	Trade No.	No. of Feet	Add Each
38914	8	\$1.00	38917	15	\$3.50
38915	10	1.50	38918	20	8.00
38916	12	2.50	38919	25	10.00

Above prices include current shunts and resistance boxes for types requiring same.

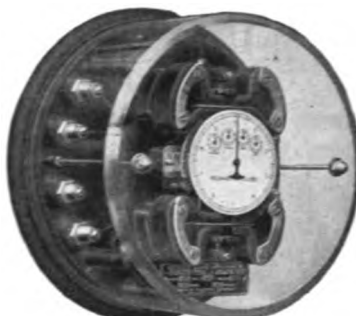
For two-wire meters, pressed steel case with full glass front is standard, and will be furnished, unless otherwise ordered. Pressed glass case furnished without extra charge.

Three-wire meters supplied with pressed aluminum case only.

SANGAMO WATT-HOUR METERS SWITCHBOARD, TYPE H METERS



Single-phase Switchboard Meter



Polyphase Switchboard Meter

Sangamo Type H A.C. watt-hour meters, like practically all modern alternating current watt-hour meters, operate on the split-phase induction motor principle but differ in the method of application of this principle and in the details of construction. The Sangamo A. C. Switchboard Meters are fully described and illustrated in bulletin No. 42, which we will be pleased to send upon request.

SINGLE-PHASE

Amps.	110 Volts		220 Volts		440 Volts		1100-2200 Volts Primary	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
5	132618	\$60.00	132648	\$65.00	132678	\$70.00	132708	\$118.00
10	132619	62.00	132649	67.00	132679	72.00	132709	119.00
15	132620	66.00	132650	71.00	132680	76.00	132710	120.00
25	132621	67.50	132651	72.50	132681	77.50	132711	121.00
50	132622	74.50	132652	79.50	132682	84.50	132712	122.00
75	132623	79.00	132653	84.00	132683	89.00	132713	124.00
100	132624	83.50	132654	88.50	132684	93.50	132714	125.00
150	132625	89.00	132655	94.00	132685	99.00	132715	129.00
200	132626	93.00	132656	98.00	132686	103.00	132716	133.00
300	132627	96.00	132657	101.00	132687	106.00	132717	136.00
400	132628	100.00	132658	105.00	132688	110.00	132718	140.00
500	132629	105.00	132659	110.00	132689	115.00	132719	145.00
600	132630	111.00	132660	116.00	132690	121.00	132720	151.00
800	132631	116.00	132661	121.00	132691	126.00	132721	156.00
1000	132632	124.00	132662	129.00	132692	134.00	132722	164.00

POLYPHASE—3-WIRE, 3-PHASE AND 3 OR 4-WIRE, 2-PHASE

5	132633	90.00	132663	100.00	132693	110.00	132723	202.00
10	132634	93.00	132664	103.00	132694	113.00	132724	202.50
15	132635	98.00	132665	108.00	132695	118.00	132725	203.00
25	132636	102.00	132666	112.00	132696	122.00	132726	203.50
50	132637	111.00	132667	121.00	132697	131.00	132727	204.00
75	132638	115.00	132668	125.00	132698	135.00	132728	205.00
100	132639	121.00	132669	131.00	132699	141.00	132729	206.00
150	132640	127.00	132670	137.00	132700	147.00	132730	208.00
200	132641	132.00	132671	142.00	132701	152.00	132731	212.00
300	132642	139.00	132672	149.00	132702	159.00	132732	219.00
400	132643	148.00	132673	158.00	132703	168.00	132733	228.00
500	132644	159.00	132674	169.00	132704	179.00	132734	239.00
600	132645	164.00	132675	174.00	132705	184.00	132735	244.00
800	132646	173.00	132676	183.00	132706	193.00	132736	253.00
1000	132647	183.00	132677	193.00	132707	203.00	132737	263.00

Prices on 550-volt meters same as 440-volt.

Prices on meters for 3-phase, 4-wire circuits quoted on request.

Prices on 110, 220 and 440-volt single-phase meters include current transformers in sizes requiring same. To obtain cost of current transformer alone, deduct price of 5-ampere meter from list on any desired capacity, 100 amperes and above.

Prices on 110, 220 and 440-volt polyphase meters include two current transformers in size requiring same.

Prices on 1100-2200-volt Primary Meters include current and potential transformers for all capacities. If potential transformers are not wanted, deduct \$40.00 from price on single-phase meter for any capacity, or \$80.00 from price on polyphase meter any capacity.

Finish.—Nickel and black finish furnished unless otherwise ordered.

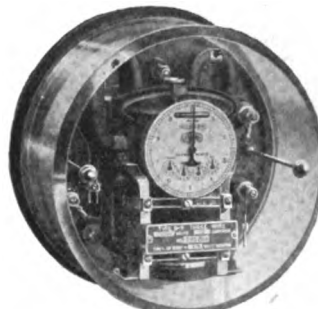
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SANGAMO WATT-HOUR METERS

SWITCHBOARD, TYPE D-5 METERS



Two-Wire Switchboard Meter



Three-Wire Switchboard Meter

Sangamo Round Type Switchboard Meters are built on the same mercury motor principle, and are of the same general construction as the well-known service type, Sangamo Meters.

The Sangamo Switchboard Type Meters are fully described and illustrated in bulletin No. 39, which we will be pleased to send upon request.

Amps.	100 to 125 Volts		Two-Wire, D. C.		400 to 650 Volts		Three-Wire, D. C.		250-500 Volts	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
10	049367	\$90.00	049394	\$100.00	049421	\$110.00	95204	\$120.00	95229	\$120.00
25	95195	97.50	95198	107.50	95201	117.50	95205	127.00	95230	127.00
50	95196	102.50	95199	112.50	95202	122.50	95206	135.00	95231	135.00
75	95197	105.00	95200	115.00	95203	125.00	95207	145.00	95232	145.00
100	049373	115.00	049400	125.00	049427	135.00	95208	160.00	95233	160.00
150	049374	120.00	049401	130.00	049428	140.00	95209	175.00	95234	175.00
200	049375	125.00	049402	135.00	049429	145.00	95210	190.00	95235	190.00
300	049376	135.00	049403	145.00	049430	155.00	95211	206.00	95236	206.00
400	049377	140.00	049404	150.00	049431	160.00	95212	213.00	95237	213.00
500	049378	145.00	049405	155.00	049432	165.00	95213	229.00	95238	229.00
600	049379	150.00	049406	160.00	049433	170.00	95214	236.00	95239	236.00
800	049380	155.00	049407	165.00	049434	175.00	95215	244.00	95240	244.00
1000	049381	160.00	049408	170.00	049435	180.00	95216	255.00	95241	255.00
1200	049382	165.00	049409	175.00	049436	185.00	95217	266.00	95242	266.00
1500	049383	170.00	049410	180.00	049437	190.00	95218	277.00	95243	277.00
2000	049384	180.00	049411	190.00	049438	200.00	95219	296.00	95244	296.00
3000	049385	200.00	049412	210.00	049439	220.00	95220	334.00	95245	334.00
4000	049386	220.00	049413	230.00	049440	240.00	95221	372.00	95246	372.00
5000	049387	250.00	049414	260.00	049441	270.00	95222	429.00	95247	429.00
6000	049388	275.00	049415	285.00	049442	295.00	95223	486.00	95248	486.00
8000	049389	300.00	049416	310.00	049443	320.00	95224	535.00	95249	535.00
10000	049390	350.00	049417	360.00	049444	370.00	95225	638.00	95250	638.00
12000	049391	400.00	049418	410.00	049445	420.00	95226	737.00	95251	737.00
15000	049392	450.00	049419	460.00	049446	470.00	95227	828.00	95252	828.00
20000	049393	600.00	049420	610.00	049447	620.00	95228	1100.00	95253	1100.00

Prices on larger sizes up to 60000 amperes, on application.

10-ampere meters have no shunts. 25 to 75-ampere meters have shunts directly across series studs of meters. No cables, unless specially ordered with special shunt and connecting cables, in which case, add \$5.00 to list prices on two-wire meters and \$10.00 for three-wire meters.

Sizes 100-ampere and over have separate shunts and are regularly furnished at above prices with 5-foot cables, complete with terminal lugs. When longer cables are required in order to operate the meter at a greater distance from shunt, add to net prices, as follows:

No. of Feet	Two-Wire		Three-Wire	
	Trade No.	Add Net	Trade No.	Add Net
8	049448	\$1.00	95254	\$2.00
10	049449	1.50	95255	3.00
12	049450	2.50	95256	5.00
15	049451	3.50	95257	7.00
20	049452	8.00	95258	16.00
25	049453	10.00	95259	20.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SANGAMO METERS

ECONOMY ELECTRIC RAILWAY METERS

Watt-hour and Ampere-hour Types

The advantages gained by the use of car meters may be summed up as follows: A check on the motormen and equipment; a record of the total current or energy consumption of each car; a comparison of the current or energy consumption of different equipments under similar conditions; a comparison of current or energy consumption of different lines of the same system under different traffic conditions; a comparison of similar equipments on the same lines under different conditions of weather, track, etc.; a concrete comparison, in the form of the recorded ampere hours or kilowatt hours per car mile, of all cars; to encourage careful and economical driving.

The following prices apply on direct current ampere-hour meters suitable for circuits up to 3000 volts, and on direct current watt-hour meters with external resistance boxes for circuits 400 to 650 volts. For watt-hour meters to be used on circuits 750 to 3000 volts inclusive, extra prices apply on the resistance boxes required. The meters themselves are built exactly alike for circuits of any voltage up to and including 3000 volts.

The prices below also apply on alternating current watt-hour meters, suitable for 110 or 220 volts, 25 or 60 cycles; these meters being intended to operate from secondaries of transformers which are regular part of the usual equipment on electric railway cars operated on alternating current. If A. C. meters for higher voltages are required, current and potential transformer prices will be quoted on request.

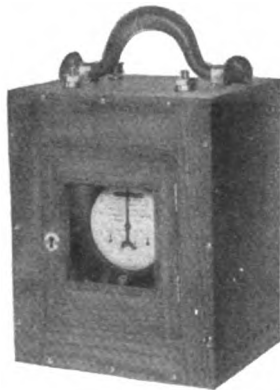
Trade No.	Amperes	Price, Each	Trade No.	Amperes	Price, Each
39972	5	\$45.00	39978	150	\$ 96.00
39973	10	45.00	39979	200	101.00
39974	25	60.00	39980	300	106.00
39975	50	75.00	132751	400	112.00
39976	75	84.00	132752	500	122.00
39977	100	90.00	132753	600	128.00

Add net for resistance boxes for potential circuits of D. C. watt-hour meters above 650 volts, as follows:

Trade No.	Volts	Price, Each	Trade No.	Volts	Price, Each
132754	750-800	\$ 5.00	132757	1800-2200	\$20.00
132755	1000-1250	10.00	132758	2400-3000	25.00
132756	1500-1750	15.00	.....	.....	.....

SHOP TESTING PORTABLE METERS

Watt-hour and Ampere-hour Types



This type of watt-hour or ampere-hour meter has been developed to meet the demand for a compact portable outfit for operators of isolated plants, central station power solicitors and consulting engineers—for testing motor loads in factories, mines, etc. The outfit consists of a 10-ampere watt-hour meter with any desired voltage ranges, or an ampere-hour meter, which operates independent of voltage. It is contained in a handsomely finished hardwood carrying case with leather handle.

Four small dials record the total energy passing over a given period, permitting long time tests to be made; and for short interval tests, the large dial and fast moving hand are used. This hand is of the key-operated, reset type, capable of being set back to zero without in any way affecting the reading of the four smaller dials. With this combination any desired load can be measured. The meter is protected by a locked door with glass front which permits of reading the dials easily.

Portable Meter

Trade No.	Amperes	Volts	Price, Each	Trade No.	Amperes	Volts	Price, Each
38957	10	110	\$30.00	38961	10	220 and 550	\$37.00
38958	10	220	32.00	38962	10	110, 220 and 550	40.00
38959	10	110 and 220	35.00	38963	10	{ Ampere-hour meter }	35.00
38960	10	110 and 550	37.00	38964	10		

Add net for one internal shunt, including extra binding posts and special calibration, as follows:

Trade No.	Amperes	Price, Each	Trade No.	Amperes	Price, Each
38965	50 or 75	\$ 7.50	38969	300	\$20.00
38966	100	10.00	38970	400	22.50
38967	150	12.50	38971	500	25.00
38968	200	15.00	.....	.....	.....

No extra charge for interchangeable calibration of additional shunts ordered with meter. External shunts, 100 to 500 amperes capacity, with 5-foot cables. Prices on larger external shunts, on application.

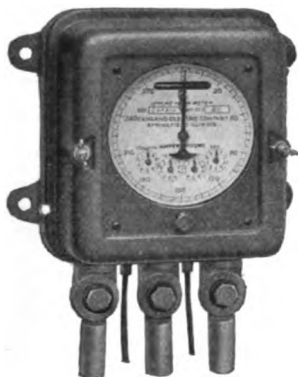
Extra for leather carrying handle on shunt, \$1.50 net.

Complete descriptive bulletins furnished on request.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SANGAMO AMPERE-HOUR METERS

DIRECT CURRENT TWO-WIRE CIRCUITS, NOT EXCEEDING 600 VOLTS POTENTIAL



Service Type



Switchboard Type

Auto Type
For Use on Electric VehiclesDistant Dial
Projecting TypeDistant Dial
Flush Type

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Ampere-hour meters are furnished in auto, service, distant dial and switchboard types and are made for use with storage batteries on electric vehicles, electric lighted railway cars, in central station service telephone exchanges and for controlling electro-plating operations. These meters have no moving wires, coils, etc., to get out of order, the moving system being floated in an enclosed mercury chamber. The meter is intended to record the ampere hours of current flow in a direct current circuit (independent of voltage) and is therefore specially adapted for storage battery use. The operation of the meter for a given current flow is the same on a 6-volt or 500-volt circuit. In capacities above 100 amperes in the auto and service types the meter is operated with an external shunt. In smaller sizes, these being in general use, the shunt is self-contained. The position of the hand shows the condition of the battery in whose circuit the meter is connected. The meter has a resetting device for changing the position of the dial hand, which is operated by special key furnished with the meter. The above description shows readily the value of an ampere-hour meter, as the amount of current taken from or put into a battery may be determined at once.

INSTRUCTIONS FOR ORDERING

When ordering ampere-hour meters, delays and mistakes will be avoided by stating fully the kind of meter wanted, as the large variety of types now offered makes it necessary to have information as to type, ampere capacity, ampere hours per revolution of hand, list letter, whether zero contact and resetting device required, etc. To facilitate ordering we now have blank forms covering in detail the points to be specified. We will be pleased to furnish these forms on request. In using them it is necessary only to check the desired items.

SANGAMO AMPERE-HOUR METERS

FOR DIRECT CURRENT TWO-WIRE CIRCUITS NOT EXCEEDING 600 VOLTS POTENTIAL

LIST A, AUTO OR SERVICE TYPE

With plain standard circular dial, resetting device, contact at zero, and simple shunt.
Prices on larger sizes up to 60000 amperes, on application.

Trade No.	Amps.	Price Each	Trade No.	Amps.	Price Each	Trade No.	Amps.	Price Each
049479	10	\$50.00	049486	150	\$80.00	049493	1000	\$120.00
049480	20	52.00	049487	200	85.00	049494	1200	125.00
049481	30	54.00	049488	300	95.00	049495	1500	130.00
049482	40	57.00	049489	400	100.00	049496	2000	140.00
049483	60	60.00	049490	500	105.00	95274	3000	160.00
049484	80	64.00	049491	600	110.00	95275	4000	180.00
049485	100	70.00	049492	800	115.00	95276	5000	210.00

LIST B, SWITCHBOARD TYPE, ROUND PATTERN

With plain standard circular dial, resetting device and simple shunt; with or without contact at zero, as specified. Prices on larger sizes up to 60000 amperes, on application.

049497	10	85.00	049507	150	115.00	049514	1000	155.00
049498	20	90.00	049508	200	120.00	049515	1200	160.00
049499	30	92.50	049509	300	130.00	049516	1500	165.00
049500	40	95.00	049510	400	135.00	049517	2000	175.00
049501	60	97.50	049511	500	140.00	95277	3000	195.00
049502	80	100.00	049512	600	145.00	95278	4000	215.00
049506	100	110.00	049513	800	150.00	95279	5000	245.00

LIST C, AUTO OR SERVICE TYPE

With plain standard circular dial, contact at zero, with or without resetting device, as specified, and with variable resistor giving any desired percentage of overcharge automatically.

95286	20	57.00	95289	200	90.00	95296	1200	130.00
95287	30	59.00	95290	300	100.00	105541	1500	135.00
049518	40	62.00	95291	400	105.00	105542	2000	145.00
049519	60	65.00	95292	500	110.00	105543	3000	165.00
049520	80	69.00	95293	600	115.00	105544	4000	185.00
049522	100	75.00	95294	800	120.00	105545	5000	215.00
95288	150	85.00	95295	1000	125.00	.....	.....	.....

LIST D, AUTO OR SERVICE TYPE

With circular dial, also having totalizing circles for charge or discharge, contact at zero, resetting device, and simple shunt. Prices on larger sizes up to 60000 amperes, on application.

049524	10	57.00	049531	150	87.00	049538	1000	127.00
049525	20	59.00	049532	200	92.00	049539	1200	132.00
049526	30	61.00	049533	300	102.00	049540	1500	137.00
049527	40	63.00	049534	400	107.00	049541	2000	147.00
049528	60	67.00	049535	500	112.00	95280	3000	167.00
049529	80	71.00	049536	600	117.00	95281	4000	187.00
049530	100	77.00	049537	800	122.00	95282	5000	217.00

Net extra for detent on shaft to prevent reverse rotation, \$1.50.

LIST E, AUTO OR SERVICE TYPE

List E is similar to List C, with totalizing circles for charge and discharge. Made only in sizes listed.

049542	40	66.00	049544	80	72.00	049546	100	78.00
049543	60	69.00	.....	..	.....	.....	...	.....

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SANGAMO AMPERE-HOUR METERS

DIRECT CURRENT TWO-WIRE CIRCUITS NOT EXCEEDING 600 VOLTS POTENTIAL

LIST G, SWITCHBOARD TYPE

With standard four-circle dial and simple shunt. Detent on shaft to prevent reverse rotation, net extra, \$1.50.

Trade No.	Amps.	Price Each	Trade No.	Amps.	Price Each	Trade No.	Amps.	Price Each
049566	10	\$85.00	049573	150	\$115.00	049580	1000	\$155.00
049567	20	90.00	049574	200	120.00	049581	1200	160.00
049568	30	92.50	049575	300	130.00	049582	1500	165.00
049569	40	95.00	049576	400	135.00	049583	2000	175.00
049570	60	97.50	049577	500	140.00	95297	3000	195.00
049571	80	100.00	049578	600	145.00	95298	4000	215.00
049572	100	110.00	049579	800	150.00	95299	5000	245.00

LIST H, SWITCHBOARD TYPE

With large circular dial and totalizing circles for charge or discharge, simple shunt, and resetting device. Zero contact, if specified.

049584	10	92.00	049591	150	122.00	049598	1000	162.00
049585	20	97.00	049592	200	127.00	049599	1200	167.00
049586	30	99.50	049593	300	137.00	049600	1500	172.00
049587	40	102.00	049594	400	142.00	049601	2000	182.00
049588	60	104.50	049595	500	147.00	95300	3000	202.00
049589	80	107.00	049596	600	152.00	95301	4000	222.00
049590	100	117.00	049597	800	157.00	95302	5000	252.00

LIST I, AUTO OR SERVICE TYPE

For electro-plating control, with dial calibrated in units of any metal, with movable contact pointer, resetting device and simple shunt.

049602	10	55.00	049607	80	69.00	049612	400	105.00
049603	20	57.00	049608	100	75.00	049613	500	110.00
049604	30	59.00	049609	150	85.00	95303	600	115.00
049605	40	62.00	049610	200	90.00	95304	800	120.00
049606	60	65.00	049611	300	100.00	95305	1000	125.00

LIST J, AUTO OR SERVICE TYPE

With duplex dial, having two rows of totalizing circles, reading ampere hours charge and discharge, with simple shunt.

049614	10	55.00	049619	80	69.00	049624	400	105.00
049615	20	57.00	049620	100	75.00	049625	500	110.00
049616	30	59.00	049621	150	85.00	95306	600	115.00
049617	40	62.00	049622	200	90.00	95307	800	120.00
049618	60	65.00	049623	300	100.00	95308	1000	125.00

LIST K, AUTO OR SERVICE TYPE

With duplex special dial, having two rows of totalizing circles, one reading ampere hours discharge, the other kilowatt hours charge at any assumed voltage, with simple shunt.

95309	10	55.00	049628	80	69.00	95315	400	105.00
95310	20	57.00	049630	100	75.00	95316	500	110.00
95311	30	59.00	95312	150	85.00	95317	600	115.00
049626	40	62.00	95313	200	90.00	95318	800	120.00
049627	60	65.00	95314	300	100.00	95319	1000	125.00

All the above are made in larger sizes up to 60000 amperes. Prices quoted on application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SANGAMO AMPERE-HOUR METERS

DIRECT CURRENT TWO-WIRE CIRCUITS NOT EXCEEDING 600 VOLTS POTENTIAL

LIST L, SWITCHBOARD TYPE

With duplex dial reading ampere hours, both rows of circles, and with simple shunt. Prices on larger sizes up to 60000 amperes, on application.

Trade No.	Amps.	Price Each.	Trade No.	Amps.	Price Each	Trade No.	Amps.	Price Each
049632	10	\$90.00	049639	150	\$120.00	049646	1000	\$160.00
049633	20	95.00	049640	200	125.00	049647	1200	165.00
049634	30	97.50	049641	300	135.00	049648	1500	170.00
049635	40	100.00	049642	400	140.00	049649	2000	180.00
049636	60	102.50	049643	500	145.00	39425	3000	200.00
049637	80	105.00	049644	600	150.00	39426	4000	220.00
049638	100	115.00	049645	800	155.00	39427	5000	250.00

LIST M, DISTANT DIAL TYPE

Meter proper with differential shunt and contact train. Dial mechanism with plain circular dial, zero contact, and in either flange or projecting type case, any desired finish. Made only in sizes listed.

39401	40	72.00	39403	80	78.00	39404	100	84.00
39402	60	75.00	.....	...	.....	.....	....	.....

LIST N, DISTANT DIAL TYPE

Same as List M, except meter compensated type for lead batteries. Made only in sizes listed.

39405	40	73.50	39407	80	79.50	39408	100	85.00
39406	60	76.50	.....	...	.....	.....	....	.....

LIST O, DISTANT DIAL TYPE

Same as List M, but dial with totalizing circles for charge or discharge. Made only in sizes listed.

39409	40	78.00	39411	80	84.00	39412	100	90.00
39410	60	81.00	.....	...	.....	.....	....	.....

LIST P, DISTANT DIAL TYPE

Same as List M, but meter compensated type and dial with totalizing circles. Made only in sizes listed.

39413	40	79.50	39415	80	85.50	39416	100	91.50
39414	60	82.50	.....	...	.....	.....	....	.....

LIST R, EXTENSION FRONT TYPE

With projecting tube for dial, movable target for "Full" or "Out," bezel ring in any desired finish. With or without zero contact, as specified. Resetting feature embodied in all extension front type meters. With variable resistor, plain circular enameled dial. Made only in sizes listed.

39417	40	63.00	39419	80	69.00	39420	100	75.00
39418	60	66.00	.....	...	.....	.....	....	.....

LIST S, EXTENSION FRONT TYPE

Same as List R, except with differential or diverting type shunt and compensated for lead batteries. Made only in sizes listed.

39421	40	64.50	39423	80	70.50	39424	100	76.50
39422	60	67.50	.....	...	.....	.....	....	.....

LIST T, EXTENSION FRONT TYPE

Same as List R, except with simple shunt. Prices on larger sizes up to 60000 amperes, on application.

39428	10	53.00	39433	80	67.00	95334	400	103.00
39429	20	55.00	39434	100	73.00	95335	500	108.00
39430	30	57.00	95331	150	83.00	95336	600	113.00
39431	40	60.00	95332	200	88.00	95337	800	118.00
39432	60	63.00	95333	300	98.00	95338	1000	123.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LOOSE LEAF METER BOOKS, SHEETS AND SEALS

AUSTIN LOOSE LEAF METER SHEETS

Folio	
Kind	Set Motors K. W. Route
Style	Tested Inc. Arc No.
Cycle	Amp. Volt Const. Rate
Date Read	No.
DEC.	
191	
NOV.	
191	
OCT.	
191	
SEPT.	
191	
AUG.	
191	
JULY	
191	
JUNE	
191	
MAY	
191	
APRIL	
191	
MAR.	
191	
FEB.	
191	
JAN.	
191	

Standard Meter Book Sheet $8\frac{1}{2} \times 5\frac{1}{2}$ Inches
Illustration is half actual size



Pocket Size Meter Book

METER BOOKS AND SHEETS

These meter books are equipped with the celebrated I-P adjustable nickel-plated binders which permit the book to be open flat at any point for the removal or insertion of sheets without in any manner disturbing the other sheets.

The standard books have rigid cloth binding with leather backs and corners and take standard sheets $8\frac{1}{2} \times 5\frac{1}{2}$ inches.

The pocket edition is proving even more popular than the standard size. It is made of flexible leather as per illustration and takes sheets measuring $5\frac{1}{2} \times 3\frac{1}{2}$ inches.

Trade No.	Description	Price Each
08240	No. 1 binder complete with 100 sheets, standard size, $8\frac{1}{2} \times 5\frac{1}{2}$ inches	\$1.50
104745	No. 1 binder only, capacity 100 sheets, cloth bound, leather backs and corners	1.00
08241	No. 2 binder complete with 200 sheets, standard size, $8\frac{1}{2} \times 5\frac{1}{2}$ inches	2.25
104746	No. 2 binder only, capacity 200 sheets, cloth bound, leather backs and corners	1.25
08242	Extra meter sheets, standard size, $8\frac{1}{2} \times 5\frac{1}{2}$ inches, for Nos. 1 and 2 binders per 100 . . . . .	.50
08243	Linen tabbed indexes for Nos. 1 and 2 binders, extra per set . . . . .	.75
104747	*No. 3 binder complete with 100 sheets, pocket size, $5\frac{1}{2} \times 3\frac{1}{2}$ inches	2.50
104748	No. 3 binder only, capacity 150 sheets, flexible leather	2.00
104749	Extra meter sheets, pocket size, $5\frac{1}{2} \times 3\frac{1}{2}$ inches, for No. 3 binder, per 100 . . . . .	.50
104750	Linen tabbed indexes for No. 3 binder, extra per set . . . . .	.50

METER SEALS

8244	Seals and wire, per 100 . . . . .	.50
8235	Sealing tool, 7 inches long, with initials	4.50

*Capacity 150 sheets.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRISTOL RECORDING INSTRUMENTS



Switchboard Type Recording
Voltmeter, 8-inch Chart
Model 510



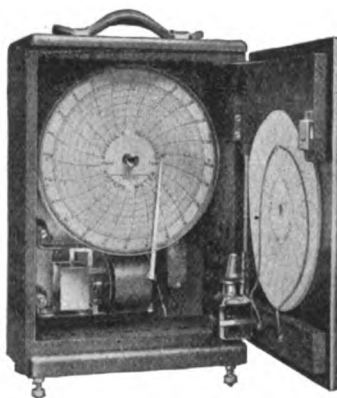
Switchboard Type Recording
Ammeter, 8-inch Chart
Model 610



Switchboard Type Recording
Wattmeter, 8-inch Chart
Model 735



Round Form Recording
Voltmeter, 6-inch Chart
Model 553



Portable Type Recording
Ammeter, 8-inch Chart
Model 612



For Unbalanced Polyphase
System, Recording Ammeter
8-inch Chart, Model 635

BRISTOL RECORDING INSTRUMENT CHARTS

Trade No.	Description	Price per 100
056782	Special 6-inch charts, graduated to order, extra, net	\$13.00
056783	Special 8-inch charts, graduated to order, extra, net	15.00
056784	Special 12-inch charts, graduated to order, extra, net	20.00
056785	Additional charts, 8-inch or 6-inch	.75
056786	Additional charts, 8-inch or 6-inch (copying ink)	.85
056781	Additional charts, 8-inch or 6-inch (7-day, two colors)	1.25
056787	Additional charts, 12-inch	1.50
056788	Additional charts, 12-inch (7-day, two colors)	2.00

Bristol Charts are packed in boxes containing 100, 200, 300 and 500. When placing orders for charts, order by the hundred or multiple thereof.

BRISTOL RECORDING INSTRUMENT INK

Trade No.	Size of Bottle	Price Each	Trade No.	Size of Bottle	Price Each
056790	1-ounce	\$0.25	056793	1-pint	\$2.00
056791	4-ounce	.60	056794	1-quart	4.00
056792	½-pint	1.00	.....	.....	.....

Combination Rubber Stopper and Glass Filler

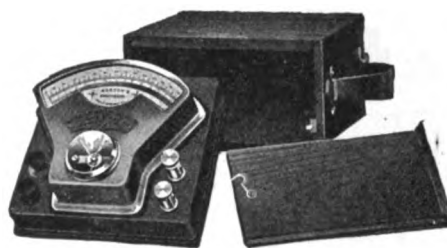
Trade No.	Price Each
056795	\$0.05

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON PORTABLE INSTRUMENTS **FOR DIRECT CURRENT** **MODEL 1**



Voltmeter



Volt-ammeter

VOLTMETERS

Single Scale, without Contact Key

Trade No.	Range in Volts	No. of Scale Divisions	Value of Each Scale Division in Volts	Readable to in Volts	Price Each
021203	0-150	150	1	$\frac{1}{10}$	\$55.00

Single Scale, with Contact Key

021204	0-150	150	1	$\frac{1}{10}$	57.50
021205	0-300	150	2	$\frac{1}{5}$	65.00
021206	0-450	150	3	$\frac{1}{3}$	65.00
021207	0-600	120	5	$\frac{1}{5}$	65.00
021208	0-750	150	5	$\frac{1}{2}$	70.00

Double Scale, with Contact Key

021209	0-150 0- 5	150 150	1 $\frac{1}{30}$	$\frac{1}{10}$ $\frac{1}{300}$	75.00
021210	0-150 0- 3	150 150	1 $\frac{1}{30}$	$\frac{1}{10}$ $\frac{1}{600}$	75.00
021211	0-150 0- 15	150 150	1 $\frac{1}{10}$	$\frac{1}{10}$ $\frac{1}{100}$	75.00
021212	0-300 0-150	150 150	2 1	$\frac{1}{5}$ $\frac{1}{10}$	77.50
021213	0-600 0-150	150 150	4 1	$\frac{1}{2}$ $\frac{1}{10}$	80.00
021214	0-750 0-150	150 150	5 1	$\frac{1}{2}$ $\frac{1}{10}$	80.00
021215	0-600 0-300	150 150	4 2	$\frac{1}{2}$ $\frac{1}{5}$	80.00

AMMETERS

Single Scale

Trade No.	Range in Amperes	No. of Scale Divisions	Value of Each Scale Division in Amperes	Readable to in Amperes	Price Each
021216	5	100	$\frac{1}{20}$	$\frac{1}{200}$	\$65.00
021217	15	150	$\frac{1}{10}$	$\frac{1}{100}$	65.00
021218	25	100	$\frac{1}{4}$	$\frac{1}{40}$	65.00
021219	50	100	$\frac{1}{2}$	$\frac{1}{20}$	65.00
021220	100	100	1	$\frac{1}{10}$	70.00
021221	150	150	1	$\frac{1}{10}$	75.00
021222	200	100	2	$\frac{1}{5}$	80.00
021223	250	125	2	$\frac{1}{5}$	80.00
021224	300	150	2	$\frac{1}{5}$	80.00
021225	400	80	5	$\frac{1}{2}$	80.00
021226	500	100	5	$\frac{1}{2}$	90.00

VOLT-AMMETERS

Trade No.	Range in Volts	Range in Amperes	No. of Scale Divisions	Value of Each Scale Division in Amperes	Readable to in Amperes	Price Each
021227	0-150	0-1.5	150	$\frac{1}{100}$	$\frac{1}{1000}$	\$75.00
021228	0-150	0-3.0	150	$\frac{1}{50}$	$\frac{1}{500}$	75.00

LEATHER CARRYING CASES

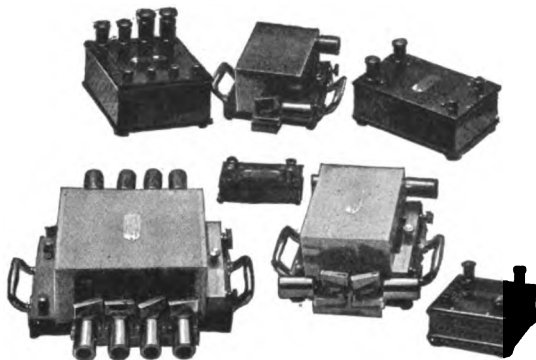
For Model 1 Instruments

Trade No.	Price, when ordered, instead of wooden case	Price Each
021229	Price, when ordered, instead of wooden case	\$3.50
021230	Price, when ordered, in addition to wooden case	4.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON PORTABLE INSTRUMENTS

FOR DIRECT CURRENT



Standard Portable Special Alloy Shunts

thus saving the expense of an additional instrument. The scales of the instrument can be divided into 100, 120 or 150 divisions. In selecting shunts of different range for use in connection with one instrument, it should be considered that the higher ranges must be even multiples of the lower one in order to suit the same scale on the instrument.

These shunts can be supplied in two or more ranges combined in one case, as indicated in price list below.

MILLIVOLTMETERS, MODEL 1

With Shunts for Ampere Measurements

These millivoltmeters, in connection with Weston Patent Alloy Shunts, read directly in amperes. Shunts of different sizes can be adjusted to the same instrument and it can, therefore, be used to measure a current of 2000 amperes with the same degree of accuracy as a current of 1 ampere. The combination of millivoltmeter and shunt is practically compensated for temperature and is correct within $\frac{1}{2}$ of 1 per cent. If, at any time, the user of this combination desires to employ additional ranges to those for which the instrument is already adjusted, it is simply necessary to purchase additional shunts of the ranges required,

MILLIVOLTMETERS

Trade No.		Price Each
085304	Standard portable millivoltmeters.	\$50.00

SHUNTS

With Single Range

Trade No.	Range in Amperes	Price Each	Trade No.	Range in Amperes	Price Each	Trade No.	Range in Amperes	Price Each
085305	1	\$10.00	085313	75	\$25.00	085321	600	\$55.00
085306	3	12.50	085314	100	30.00	085322	750	60.00
085307	5	15.00	085315	150	32.50	085323	800	65.00
085308	10	15.00	085316	200	35.00	085324	1000	80.00
085309	15	15.00	085317	250	37.50	085325	1500	130.00
085310	25	17.50	085318	300	40.00	085326	2000	175.00
085311	30	20.00	085319	400	45.00	.....	.....	.....
085312	50	22.50	085320	500	50.00	.....	.....	.....

With Two Ranges Combined in One Case

085327	5 and 1	20.00	085335	100 and 10	40.00	085343	400 and 200	65.00
085328	10 and 1	22.50	085336	150 and 15	42.50	085344	500 and 50	62.50
085329	15 and 1.5	25.00	085337	150 and 30	45.00	085345	500 and 100	65.00
085330	15 and 3	25.00	085338	200 and 20	47.50	085346	500 and 200	65.00
085331	30 and 3	25.00	085339	300 and 15	52.50	085347	600 and 60	65.00
085332	40 and 4	27.50	085340	300 and 30	55.00	085348	600 and 300	80.00
085333	50 and 5	30.00	085341	300 and 150	60.00	085349	750 and 300	90.00
085334	75 and 15	35.00	085342	400 and 40	60.00	085350	1000 and 500	140.00

With Three or More Ranges Combined in One Case

085351	15-3-0.75	30.00	085359	75-15-1.5	42.50	085367	150-75-15-1.5	65.00
085352	15-3-1.5	30.00	085360	100-10-1	45.00	085368	150-75-15-1.5-0.75	70.00
085353	30-15-1.5	35.00	085361	100-20-2	45.00	085369	200-20-2	55.00
085354	30-15-3	35.00	085362	100-50-20-2	60.00	085370	200-100-10	60.00
085355	30-15-7.5-1.5	47.50	085363	100-50-20-10-5-1	70.00	085371	300-15-1.5	60.00
085356	50-5-0.5	40.00	085364	150-15-1.5	50.00	085372	300-30-3	60.00
085357	50-10-1	40.00	085365	150-15-1.5-15	60.00	085373	300-75-15	65.00
085358	50-20-5-0.5	55.00	085366	150-75-15	55.00	.....	.....	.....

Above prices include adjustment between millivoltmeter and shunts.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON PORTABLE INSTRUMENTS

FOR DIRECT CURRENT

MODEL 45



Voltmeter



Ammeter

The movement in the Model Type No. 45 instrument is completely enclosed in an iron case, which protects it from stray magnetic fields, securely fastened in a wooden carrying box. This box is provided with a hinged cover, which protects the scale and binding posts. Ammeters, having a maximum range of 25 amperes or less, are provided with self-contained shunts. Higher ranges are adjusted to external station type shunts.

VOLTMETERS

Trade No.	Ranges in Volts	Value of Each Scale Division in Volts	Price Each
625	0- 3	.02	\$25.00
626	0- 5	.05	25.00
627	0- 15	.1	25.00
628	0-150	1	29.50
629	0-300	2	32.50
630	0-600	5	35.00
631	0-750	5	37.00

Double scale voltmeters can be furnished when desired. Add \$5.00 to the above prices.

AMMETERS

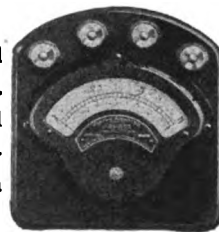
Trade No.	Ranges in Amperes	Value of Each Scale Division in Amperes	Price Each
632	0- 5	.05	\$25.00
633	0- 15	.1	25.00
634	0- 25	.2	25.00
635	0- 50	.5	25.50
637	0-100	1	26.50
638	0-150	1	27.00
639	0-200	2	28.00
640	0-250	2	28.25
641	0-300	2	28.25
642	0-400	5	28.50
643	0-500	5	29.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON MINIATURE PRECISION INSTRUMENTS

FOR DIRECT CURRENT

MODEL 280—PORTABLE INSTRUMENTS

Single Range
VoltmeterDouble Range
VoltmeterTriple Range
VoltmeterSingle Range
AmmeterDouble Range
AmmeterTriple Range
Ammeter

These instruments are all the same size and can be carried in an ordinary coat pocket. They are made in a great variety of ranges and are admirably adapted to all kinds of commercial and experimental testing that falls within their limits of e. m. f. and current.

Single Range Milli-Voltmeters							
Trade No.	Range	Price Each	Trade No.	Range	Price Each	Trade No.	Price Each
085002	50	\$12.50	085007	120	\$12.50	085012	300
085003	60	12.50	085008	130	12.50	085013	400
085004	75	12.50	085009	150	12.50	085014	500
085005	80	12.50	085010	200	12.50	085015	600
085006	100	12.50	085011	250	12.50	085016	750
Single Range Voltmeters							
085017	1	12.50	085026	7.5	12.50	085035	50
085018	1.2	12.50	085027	8	12.50	085036	60
085019	1.5	12.50	085028	10	12.50	085037	75
085020	2	12.50	085029	12	12.50	085038	80
085021	2.5	12.50	085030	15	12.50	085039	100
085022	3	12.50	085031	20	12.50	085040	120
085023	4	12.50	085032	25	12.50	085041	130
085024	5	12.50	085033	30	12.50	085042	150
085025	6	12.50	085034	40	12.50	.....	.....
Double Range Voltmeters							
085043	20-2	14.50	085046	30-3	14.50	085049	80-8
085044	20-8	14.50	085047	50-2.5	14.50	085050	100-10
085045	25-2.5	14.50	085048	50-5	14.50	085051	150-15
Triple Range Voltmeters							
085052	25-10-2.5	16.50	085056	40-20-4	16.50	085060	80-20-4
085053	30-3-1.5	16.50	085057	50-5-2.5	16.50	085061	100-25-2.5
085054	30-6-3	16.50	085058	50-25-5	16.50	085062	150-15-1.5
085055	30-15-3	16.50	085059	50-25-10	16.50	085063	150-15-3
Single Range Mil-Ammeters							
085064	50	12.50	085069	120	12.50	085074	300
085065	60	12.50	085070	130	12.50	085075	400
085066	75	12.50	085071	150	12.50	085076	500
085067	80	12.50	085072	200	12.50	085077	600
085068	100	12.50	085073	250	12.50	085078	750
Single Range Ammeters							
085079	1	12.50	085085	4	12.50	085091	12
085080	1.2	12.50	085086	5	12.50	085092	15
085081	1.5	12.50	085087	6	12.50	085093	20
085082	2	12.50	085088	7.5	12.50	085094	25
085083	2.5	12.50	085089	8	12.50	085095	30
085084	3	12.50	085090	10	12.50	.....	..
Double Range Ammeters							
085096	1-0.1	14.50	085100	8-2	14.50	085104	25-2.5
085097	2.5-0.25	14.50	085101	10-1	14.50	085105	25-5
085098	5-0.1	14.50	085102	15-1.5	14.50	085106	30-3
085099	5-0.5	14.50	085103	20-2	14.50	.....	.....
Triple Range Ammeters							
085107	5-2.5-0.25	16.50	085113	20-4-2	16.50	085122	25-10-5
085108	10-1-0.1	16.50	085114	20-8-2	16.50	085118	30-3-1.5
085110	10-1-0.5	16.50	085115	25-2.5-0.5	16.50	085119	30-6-3
085111	10-2.5-1	16.50	085116	25-5-2.5	16.50	085120	30-15-3
085112	15-3-0.150	16.50	085117	25-10-2.5	16.50	085121	15-3-1.5

Dimensions

Vertical, 4.6 inches; horizontal, 4.4 inches; depth, 1.5 inches.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON MINIATURE PRECISION INSTRUMENTS

FOR DIRECT CURRENT

MODEL 280 —PORTABLE VOLT-AMMETERS

These instruments possess the same characteristics and advantages as the switchboard instruments. They should be of great value in many kinds of commercial testing where the simultaneous reading of current and e. m. f. is not necessary.



Single Range



Double Range



Triple Range

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Single Range

Trade No.	Range Volts	Amperes	Price Each	Trade No.	Range Volts	Amperes	Price Each
085142	1.5	3	\$19.00	085173	20	4	\$19.00
085143	3	1.5	19.00	085174	20	20	19.00
085144	3	3	19.00	085175	25	1	19.00
085145	3	12	19.00	085176	25	5	19.00
085146	3	15	19.00	085177	25	25	19.00
085147	3	30	19.00	085178	30	1.5	19.00
085148	4	8	19.00	085179	30	3	19.00
085149	5	1	19.00	085180	30	6	19.00
085150	5	5	19.00	085181	30	30	19.00
085151	5	10	19.00	085182	40	2	19.00
085152	6	6	19.00	085183	40	8	19.00
085153	6	12	19.00	085184	40	20	19.00
085154	6	30	19.00	085185	50	1	19.00
085155	7.5	1.5	19.00	085186	50	5	19.00
085156	7.5	7.5	19.00	085187	50	10	19.00
085157	7.5	15	19.00	085188	50	25	19.00
085158	8	2	19.00	085189	60	3	19.00
085159	8	4	19.00	085190	60	15	19.00
085160	8	8	19.00	085191	60	30	19.00
085161	8	20	19.00	085192	75	15	19.00
085162	10	1	19.00	085193	80	20	19.00
085163	10	5	19.00	085194	100	1	19.00
085164	10	10	19.00	085195	100	10	19.00
085165	10	25	19.00	085196	100	25	19.00
085166	12	30	19.00	085197	120	3	19.00
085167	15	1.5	19.00	085198	120	12	19.00
085168	15	3	19.00	085199	120	30	19.00
085169	15	7.5	19.00	085200	150	1.5	19.00
085170	15	15	19.00	085201	150	3	19.00
085171	15	30	19.00	085202	150	15	19.00
085172	20	2	19.00	085203	150	30	19.00

Double Range

085204	20-2	8-2	23.00	085213	50-5	5-0.1	23.00
085205	20-8	20-2	23.00	085214	50-5	10-1	23.00
085206	25-2.5	2.5-0.25	23.00	085215	50-5	25-2.5	23.00
085207	25-2.5	5-0.5	23.00	085216	50-5	25-5	23.00
085208	25-2.5	25-2.5	23.00	085217	80-8	20-2	23.00
085209	30-3	15-1.5	23.00	085218	100-10	25-2.5	23.00
085210	30-3	30-3	23.00	085219	150-15	15-1.5	23.00
085211	50-2.5	5-0.5	23.00	085220	150-15	30-3	23.00
085212	50-5	1-0.1	23.00	.....	.....	....	....

Triple Range

085221	25-10-2.5	10-2.5-1	27.00	085231	50-25-2.5	25-2.5-0.5	27.00
085222	30-3-1.5	30-3-1.5	27.00	085232	50-25-5	25-5-2.5	27.00
085223	30-6-3	30-6-3	27.00	085233	50-25-10	10-1-0.5	27.00
085224	30-15-3	15-3-0.150	27.00	085234	50-25-10	10-2.5-1	27.00
085225	30-15-3	30-15-3	27.00	085235	50-25-10	25-10-5	27.00
085226	40-20-4	20-4-2	27.00	085236	80-20-4	20-8-2	27.00
085227	50-5-2.5	5-2.5-0.25	27.00	085237	100-25-2.5	25-10-2.5	27.00
085228	50-5-2.5	10-1-0.1	27.00	085238	150-15-1.5	30-3-1.5	27.00
085229	50-5-2.5	25-5-2.5	27.00	085239	150-15-3	15-3-1.5	27.00
085230	50-25-2.5	10-5-0.5	27.00	085240	150-15-3	30-3-1.5	27.00

Dimensions

Vertical, 4.6 inches; horizontal, 4.4 inches; depth, 1.5 inches.

WESTON PORTABLE INSTRUMENTS

FOR ALTERNATING AND DIRECT CURRENT

**Voltmeter, Model 341****Ammeter, Model 370**

These instruments are electro-dynamometer meters and may be used with equal accuracy on either alternating current or direct current circuits.

They are contained in highly polished mahogany boxes, provided with carrying handles, locks and covers equipped with slip hinges. The weight is approximately 11 pounds, and the dimensions are $8 \times 10 \frac{1}{4} \times 5 \frac{3}{4}$ inches over all.

Owing to the principle of operation, these instruments cannot be made with a uniform scale, but the upper two-thirds of the scale is remarkably uniform. The length of the scale is $5 \frac{1}{4}$ inches.

The scales are accurately hand calibrated to each cardinal division by direct comparison with standards, and the intermediate steps are subdivided with great care.

VOLTMETERS—MODEL 341**Single Range**

Trade No.	Range Volts	Approx. Resistance Ohms	Price Each	Trade No.	Range Volts	Approx. Resistance Ohms	Price Each
131401	1	2	\$65.00	131409	15	100	\$62.50
131402	1.5	3	65.00	131410	30	470	60.00
131403	2	4	65.00	131411	75	1180	60.00
131404	3	6	65.00	131412	120	2700	60.00
131405	5	18	65.00	131413	150	3300	60.00
131406	7.5	50	62.50	131414	300	6700	62.50
131407	10	66	62.50	131415	600	20000	67.50
131408	12	80	62.50	131416	750	25000	70.00

Double Range

131417	5-1	10-2	70.00	131424	150-75	3300-1650	65.00
131418	15-1.5	30-3	70.00	131425	300-150	6700-3350	67.50
131419	3-1.5	6-3	70.00	131426	600-150	20000-5000	72.50
131420	6-3	21-10.5	70.00	131427	600-300	2000-10000	72.50
131421	15-7.5	100-50	67.50	131428	750-150	25000-5000	75.00
131422	30-15	300-150	67.50	131429	750-300	25000-10000	75.00
131423	120-60	2700-1350	65.00	.....	.....	.....	.....

AMMETERS—MODEL 370**Milliammeters—Single Range**

Trade No.	Range Milliamps.	Approx. Resistance Ohms	Price Each	Trade No.	Range Milliamps.	Approx. Resistance Ohms	Price Each
131430	15	1400	67.50	131436	150	19.5	67.50
131431	20	720	67.50	131437	200	7.5	67.50
131432	30	350	67.50	131438	300	3.2	67.50
131433	50	167	67.50	131439	500	1.2	67.50
131434	75	50	67.50	131440	750	.9	67.50
131435	100	26.5	67.50	.....	...	...	.....

Ammeters—Double Range

Trade No.	Range Amps.	Price Each	Trade No.	Range Amps.	Price Each
131441	2-1	75.00	131443	10-5	75.00
131442	5-2½	75.00	.....	....	.....

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON PORTABLE INSTRUMENTS

For Alternating and Direct Current
WATTMETERS—MODEL 310—SINGLE-PHASE



These instruments represent the latest development in electro-dynamometer wattmeters and embody many characteristics hitherto considered unattainable in instruments of this class. They are contained in highly polished mahogany boxes, provided with carrying handles, locks, and covers equipped with slip hinges. The weight is approximately 11 pounds and the dimensions are $8 \times 10 \frac{1}{4} \times 5 \frac{3}{4}$ over all. The scales are $5 \frac{1}{4}$ inches long, uniform throughout their entire length, and are provided with mirrors to prevent parallax errors.

A reversing switch is provided by means of which the direction of the current through the movable coil may be changed without changing the direction through the rest of the potential circuit. This switch will be found very useful in connecting the wattmeter to circuits in which the polarity is not known. In addition to the reversing switch, a locking contact key is provided, by means of which the potential circuit may be opened.

In general, these instruments are guaranteed to an accuracy of $\frac{1}{4}$ of 1 per cent of full scale value for use on either direct current circuits or alternating current circuits of any frequency to 133 cycles per second and of any wave form. Each instrument is accompanied by a certificate, giving its electrical characteristics, general instructions for use, and diagram showing the correct binding posts to be employed for the various ranges.

Double ranges for both the current and voltage circuits are provided. These ranges are controlled by means of independent binding posts.

It will be noted from the table following that these instruments can be furnished with self-contained potential ranges up to 750 volts. For higher ranges, the use of both potential and current transformers is recommended.

Multipliers with Y connected resistors, arranged so that the pressure circuit of single-phase wattmeters may be properly connected for use on 3-phase balanced systems, can be furnished. Prices on request.

MODEL 310 SINGLE-PHASE WATTMETERS

Normal 100/50, Maximum 150/75 Volts

Trade No.	AMPERES				*WATT RANGES		No. of Scale Lines	Price Each
	Series	NORMAL Multiple	Series	MAXIMUM Multiple	Field Coils in Series	Field Coils in Multiple		
131451	1	2	2	4	100/50	200/100	100	\$70.00
131452	2.5	5	5	10	250/125	500/250	125	70.00
131453	5	10	10	20	500/250	1000/500	100	70.00
131454	10	20	20	40	1/ .5 K.W.	2/1 K.W.	100	70.00
131455	20	40	40	80	2/1 K.W.	4/2 K.W.	100	75.00
131456	30	60	60	120	3/1.5 K.W.	6/3 K.W.	150	75.00
131457	50	100	75	150	5/2.5 K.W.	10/5 K.W.	100	75.00

Normal 150/75, Maximum 250/125 Volts

131458	1	2	2	4	150/75	300/150	150	70.00
131459	2.5	5	5	10	375/187.5	750/375	150	70.00
131460	5	10	10	20	750/375	1500/750	150	70.00
131461	10	20	20	40	1.5/.75 K.W.	3/1.5 K.W.	150	70.00
131462	20	40	40	80	3/1.5 K.W.	6/3 K.W.	150	75.00
131463	30	60	60	120	5/2.5 K.W.	10/5 K.W.	100	75.00
131464	50	100	75	150	7.5/3.75 K.W.	15/7.5 K.W.	150	75.00

Normal 200/100, Maximum 300/150 Volts

131465	1	2	2	4	200/100	400/200	100	75.00
131466	2.5	5	5	10	500/250	1000/500	100	75.00
131467	5	10	10	20	1/.5 K.W.	2/1 K.W.	100	75.00
131468	10	20	20	40	2/1 K.W.	4/2 K.W.	100	75.00
131469	20	40	40	80	4/2 K.W.	8/4 K.W.	100	80.00
131470	30	60	60	120	6/3 K.W.	12/6 K.W.	120	80.00
131471	50	100	75	150	10/5 K.W.	20/10 K.W.	100	80.00

Normal 300/150, Maximum 450/250 Volts

131472	1	2	2	4	300/150	600/300	150	75.00
131473	2.5	5	5	10	750/375	1500/750	150	75.00
131474	5	10	10	20	1.5/.75 K.W.	3/1.5 K.W.	150	75.00
131475	10	20	20	40	3/1.5 K.W.	6/3 K.W.	150	75.00
131476	20	40	40	80	6/3 K.W.	12/6 K.W.	120	80.00
131477	30	60	60	120	10/5 K.W.	20/10 K.W.	100	80.00
131478	50	100	75	150	15/7.5 K.W.	30/15 K.W.	150	80.00

*Ranges not marked K.W. read in watts.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON PORTABLE INSTRUMENTS

FOR ALTERNATING AND DIRECT CURRENT

WATTMETERS—MODEL 310—SINGLE PHASE

Normal 500/100, Maximum 600/150 Volts

Trade No.	NORMAL AMPERES		MAXIMUM AMPERES		*WATT RANGES		No. of Scale Lines	Price Each
	Series	Multiple	Series	Multiple	Field Coils in Series	Field Coils in Multiple		
131490	1	2	2	4	500/100	1000/200	100	\$85.00
131491	2.5	5	5	10	1250/250	2500/500	125	85.00
131492	5	10	10	20	2500/500	5000/1000	100	85.00
131493	10	20	20	40	5/1 K.W.	10/2 K.W.	100	85.00
131494	20	40	40	80	10/2 K.W.	20/4 K.W.	100	90.00
131495	30	60	60	120	15/3 K.W.	30/6 K.W.	150	90.00
131496	50	100	75	150	25/5 K.W.	50/10 K.W.	100	90.00

Normal 600/150, Maximum 675/250 Volts

131497	1	2	2	4	600/150	1200/300	150	87.50
131498	2.5	5	5	10	1500/375	3000/750	150	87.50
131499	5	10	10	20	3/ .75 K.W.	6/1.5 K.W.	150	87.50
131500	10	20	20	40	6/1.5 K.W.	12/3 K.W.	150	87.50
131501	20	40	40	80	12/3 K.W.	24/6 K.W.	120	92.50
131502	30	60	60	120	20/5 K.W.	40/10 K.W.	100	92.50
131503	50	100	75	150	30/7.5 K.W.	60/15 K.W.	150	92.50

Normal 600/300, Maximum 675/450 Volts

131504	1	2	2	4	600/300	1200/600	120	87.50
131505	2.5	5	5	10	1.5/.75 K.W.	3/1.5 K.W.	150	87.50
131506	5	10	10	20	3/1.5 K.W.	6/3 K.W.	150	87.50
131507	10	20	20	40	6/3 K.W.	12/6 K.W.	120	87.50
131508	20	40	40	80	12/6 K.W.	24/12 K.W.	120	92.50
131509	30	60	60	120	20/10 K.W.	40/20 K.W.	100	92.50
131510	50	100	75	150	30/15 K.W.	60/30 K.W.	150	92.50

Normal 750/150, Maximum 750/250 Volts

131511	1	2	2	4	750/150	1500/300	150	90.00
131512	2.5	5	5	10	1875/375	3750/750	150	90.00
131513	5	10	10	20	3750/750	7500/1500	150	90.00
131514	10	20	20	40	7.5/1.5 K.W.	15/3 K.W.	150	90.00
131515	20	40	40	80	15/3 K.W.	30/6 K.W.	150	95.00
131516	30	60	60	120	25/5 K.W.	50/10 K.W.	100	95.00
131517	50	100	75	150	37.5/7.5 K.W.	75/15 K.W.	150	95.00

Normal 750/300, Maximum 750/450 Volts

131518	1	2	2	4	750/300	1500/600	150	90.00
131519	2.5	5	5	10	2000/800	4000/1600	160	90.00
131520	5	10	10	20	3750/1500	7500/3000	150	90.00
131521	10	20	20	40	7.5/3 K.W.	15/6 K.W.	150	90.00
131522	20	40	40	80	15/6 K.W.	30/12 K.W.	150	95.00
131523	30	60	60	120	25/10 K.W.	50/20 K.W.	100	95.00
131524	50	100	75	150	37.5/15 K.W.	75/30 K.W.	150	95.00

* Ranges not marked K.W. read in watts.

SPECIAL MODEL 310 WATTMETERS FOR VERY LOW POWER FACTORS

For measurements in circuits where the power factor is very low, such as core losses in transformers, a special line of Weston Wattmeters has been designed, giving full scale deflection for 20 per cent power factor; that is, the scale value in watts is 20 per cent of the number of volt amperes applied. All wattmeters of this type, except the 1 and 0.5 ampere, are compensated for the power consumed in their potential circuits. A switch is provided by which the instrument may be used with or without this compensation.

The scales are uniform and the instruments have the same general characteristics as the regular model.

Maximum Volts 150/75

Trade No.	MAXIMUM CAPACITY, AMPERES		WATT RANGES		No. of Scale Lines	Price Each
	Fields in Series	Fields in Multiple	Fields in Series	Fields in Multiple		
131525	0.5	1	15/7.5	30/15	150	†\$80.00
131526	1	2	30/15	60/30	150	†80.00
131527	2.5	5	75/37.5	150/75	150	80.00
131528	5	10	150/75	300/150	150	80.00
131529	10	20	300/150	600/300	150	85.00
131530	20	40	600/300	1200/600	120	85.00
131531	50	100	1500/750	3000/1500	150	85.00

†These ranges are not compensated and are useful for special conditions only.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON PORTABLE INSTRUMENTS

For Alternating and Direct Current
WATTMETERS—MODEL 329—POLYPHASE



These instruments are contained in highly polished mahogany boxes, provided with carrying handles, locks, and covers equipped with slip hinges. The weight is approximately $17\frac{1}{2}$ pounds. Dimensions are $9\frac{1}{2} \times 10\frac{1}{2} \times 8\frac{1}{8}$ inches over all. This form of instrument really consists of two single-phase wattmeters, electrically independent, but having their movable coils mounted on a common shaft, so that they rotate together. Each coil, however, moves in its own system of field coils. The scales are uniform throughout their entire length, and are $5\frac{1}{4}$ inches long.

In general, the indications may be relied upon to within $\frac{1}{2}$ of 1 per cent of full scale value on either direct current circuits or on alternating current circuits of any frequency up to 133 cycles per second and of any wave form.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Normal 100/50, Maximum 150/65 Volts								
Trade No.	AMPERES		MAXIMUM		*WATT RANGES		No. of Scale Lines	Price Each
	SERIES	MULTIPLE	SERIES	MULTIPLE	Field Coils in Series	Field Coils in Multiple		
131543	1	2	2	4	200/100	400/200	100	\$110.00
131544	2.5	5	5	10	500/250	1000/500	100	110.00
131545	5	10	10	20	1/.5 K.W.	2/1 K.W.	100	110.00
131546	10	20	20	40	2/1 K.W.	4/2 K.W.	100	115.00
Normal 150/75, Maximum 250/125 Volts								
131547	1	2	2	4	300/150	600/300	150	110.00
131548	2.5	5	5	10	750/375	1500/750	150	110.00
131549	5	10	10	20	1.5/.75 K.W.	3/1.5 K.W.	150	110.00
131550	10	20	20	40	3/1.5 K.W.	6/3 K.W.	150	115.00
Normal 200/100, Maximum 300/150 Volts								
131551	1	2	2	4	400/200	800/400	100	115.00
131552	2.5	5	5	10	1/.5 K.W.	2/1 K.W.	100	115.00
131553	5	10	10	20	2/1 K.W.	4/2 K.W.	100	115.00
131554	10	20	20	40	4/2 K.W.	8/4 K.W.	100	120.00
Normal 300/150, Maximum 450/250 Volts								
131555	1	2	2	4	600/300	1200/600	120	115.00
131556	2.5	5	5	10	1.5/.75 K.W.	3/1.5 K.W.	150	115.00
131557	5	10	10	20	3/1.5 K.W.	6/3 K.W.	150	115.00
131558	10	20	20	40	6/3 K.W.	12/6 K.W.	120	120.00
Normal 500/100, Maximum 600/150 Volts								
131559	1	2	2	4	1000/200	2000/400	100	125.00
131560	2.5	5	5	10	2500/500	5000/1000	100	125.00
131561	5	10	10	20	5/1 K.W.	10/2 K.W.	100	125.00
131562	10	20	20	40	10/2 K.W.	20/4 K.W.	100	130.00
Normal 600/150, Maximum 675/250 Volts								
131563	1	2	2	4	1200/300	2400/600	120	127.50
131564	2.5	5	5	10	3/.75 K.W.	6/1.5 K.W.	150	127.50
131565	5	10	10	20	6/1.5 K.W.	12/3 K.W.	150	127.50
131566	10	20	20	40	12/3 K.W.	24/6 K.W.	120	132.50
Normal 600/300, Maximum 675/450 Volts								
131567	1	2	2	4	1.2.6 K.W.	2.4/1.2 K.W.	120	127.50
131568	2.5	5	5	10	3/1.5 K.W.	6/3 K.W.	150	127.50
131569	5	10	10	20	6/3 K.W.	12/6 K.W.	120	127.50
131570	10	20	20	40	12/6 K.W.	24/12 K.W.	120	132.50
Normal 750/150, Maximum 750/250 Volts								
131571	1	2	2	4	1500/300	3000/600	150	130.00
131572	2.5	5	5	10	3750/750	7500/1500	150	130.00
131573	5	10	10	20	7.5/1.5 K.W.	15/3 K.W.	150	130.00
131574	10	20	20	40	15/3 K.W.	30/6 K.W.	150	135.00
Normal 750/300, Maximum 750/450 Volts								
131575	1	2	2	4	1500/600	3000/1200	150	130.00
131576	2.5	5	5	10	3750/1500	7500/3000	150	130.00
131577	5	10	10	20	7.5/3 K.W.	15/6 K.W.	150	130.00
131578	10	20	20	40	15/6 K.W.	30/12 K.W.	150	135.00

*Ranges not marked K.W. read in watts.

WESTON PORTABLE INSTRUMENTS

FOR ALTERNATING CURRENT

MODEL 155



Voltmeter



Ammeter

These instruments may be used on circuits of any frequency from 15 to 140 cycles per second without sensible error in their indications.

The various ranges of voltmeters listed are all self-contained. They include instruments adapted to a full scale deflection with 75 volts, to instruments to give a full scale deflection with 750 volts. For use with higher voltages multipliers or transformers must be used.

The ammeters listed may be used on circuits having a difference in potential of 2300 volts. For higher ranges or voltages transformers must be used.

VOLTMETERS

Trade No.	Range in Volts	DIMENSIONS, INCHES			Price Each
		Length	Width	Depth	
06951	75	7	7 $\frac{1}{4}$	3 $\frac{1}{4}$	\$18.50
06952	125	7	7 $\frac{1}{4}$	3 $\frac{1}{4}$	18.50
06953	150	7	7 $\frac{1}{4}$	3 $\frac{1}{4}$	18.75
06954	300	7	7 $\frac{1}{4}$	3 $\frac{1}{4}$	22.50
06955	500	7 $\frac{1}{8}$	8 $\frac{3}{4}$	3 $\frac{1}{4}$	26.50
06956	600	7 $\frac{1}{8}$	8 $\frac{3}{4}$	3 $\frac{1}{4}$	27.50
06957	750	7 $\frac{1}{8}$	8 $\frac{3}{4}$	3 $\frac{1}{4}$	30.00

All the above ranges of voltmeters are provided with self-contained resistances.

AMMETERS

Trade No.	Range in Amperes	Length	Width	Depth	Price Each
06958	1	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	17.75
06959	2	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	17.50
06960	3	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	17.00
06961	5	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	17.00
06962	10	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	17.00
06963	15	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	17.00
06964	25	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	17.00
06965	50	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	17.50
06966	75	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	17.50
06967	100	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	17.50
06968	150	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	18.00
06969	200	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	18.50
06970	250	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	18.75
06971	300	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	19.00
052636	400	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	21.00
052637	500	7	7 $\frac{1}{8}$	3 $\frac{1}{4}$	23.00

High-potential current transformers must be used for the measurement of all alternating currents greater than 500 amperes.

MIL-AMMETERS

Trade No.	Range in Amperes	Length	Width	Depth	Price Each
06972	75	7	7 $\frac{1}{4}$	3 $\frac{1}{4}$	17.75
06973	150	7	7 $\frac{1}{4}$	3 $\frac{1}{4}$	17.75
06974	250	7	7 $\frac{1}{4}$	3 $\frac{1}{4}$	17.75
06975	500	7	7 $\frac{1}{4}$	3 $\frac{1}{4}$	17.75
06976	750	7	7 $\frac{1}{4}$	3 $\frac{1}{4}$	17.75

LEATHER CASES

Trade No.	Description	Price Each
06977	For ammeters, mil-ammeters and voltmeters	\$3.50
06978	For voltmeters with range from 300 to 750 volts	4.50
41551	For ammeters with range of 400 and 500 amperes	4.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON PORTABLE CURRENT AND POTENTIAL TRANSFORMERS

For Use With Portable Alternating Current Instruments

PORTABLE CURRENT TRANSFORMERS

Two forms of Weston Portable Current Transformers are made. One of these forms is a self-contained type; both the primary and secondary windings constituting an integral part of the structure. This type is designated Model 312.

In the other form the secondary winding alone is an integral part of the structure, and the primary winding is inserted in the transformer by the user at the time of making a measurement. This form is therefore known as the inserted primary type, and designated Model 313.

The cores of these models are rectangular in shape and are constructed of thin laminations of special iron alloy punched from solid sheet, so that there are no joints in the magnetic circuit.

Model 312

This type is made in three current capacities, each having three ranges. The primary winding is wound over the secondary, insulated from it, and consists of four sections of insulated copper strips wound side by side in independent spirals in planes perpendicular to the core. The sections can be connected in series, in series-multiple, or all in multiple to obtain the various ratios. To facilitate the changes in ratio, the terminals of the windings are connected to contact blocks forming a plug switch mounted on the insulated top.

Secondary, 5 amperes. Test, 10000 volts for one minute. Capacity, 25 volt-amperes. Frequency, 25 to 133 cycles.

Trade No.	Ratio	Price Each
131590	10- 20- 40 amperes to 5 amperes.....	\$55.00
131591	25- 50-100 amperes to 5 amperes.....	55.00
131592	50-100-200 amperes to 5 amperes.....	55.00

Model 313

This type is designed for the measurement of currents in excess of 200 amperes. It consists of a core wound with the secondary winding only, enclosed in a wooden case provided with an opening through which the primary, made of a cable or busbar, may be passed by the user. This type of transformer is much more universally useful for higher range measurements than the self-contained type for the reason that the ratio may be changed at will to suit the conditions of measurement.

Secondary, 5 amperes. Test, 10000 volts for one minute. Capacity, 25 volt-amperes. Frequency, 25 to 133 cycles.

Trade No.	Ratio with One Turn	Size Opening Inches	Price Each
131593	1200 amperes to 5 amperes.....	2x3 $\frac{7}{8}$	\$42.50
131594	1800 amperes to 5 amperes.....	2x3 $\frac{7}{8}$	45.00
131595	2400 amperes to 5 amperes.....	2x4 $\frac{7}{8}$	47.50

PORTABLE POTENTIAL TRANSFORMERS

Model 311

Made in three voltage capacities, each having a double-voltage range. The double-range feature is obtained by having the primary winding made in two similar sections, which can be connected in series or in multiple by means of links conveniently located on the insulating top of the transformer case.

Secondary, 110 volts. Capacity, 15 volt-amperes. Frequency, 25 to 133 cycles.

Trade No.	Ratio	Price Each
131596	2200-1100 volts to 110 volts.....	\$50.00
131597	1100- 550 volts to 110 volts.....	47.50
131598	440- 220 volts to 110 volts.....	45.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Model 312



Model 313



Model 311

WESTON ROUND PATTERN STATION INSTRUMENTS

FOR DIRECT CURRENT
MODEL 57**Regular Type****Flush Type**

Diameter of front, $8\frac{1}{4}$ inches; diameter of flanged base, $9\frac{1}{4}$ inches; total depth, $4\frac{1}{2}$ inches; length of scale, $6\frac{1}{2}$ inches; weight, 15 pounds; weight packed 22 pounds; packing case, $10 \times 12 \times 13$ inches.

Case is of cast iron, dustproof and neatly finished, affording effectual protection against external magnetic influences. Made in three patterns: Regular, back connection, and flush type. The scale is drawn on opaque paper, and hence cannot be illuminated from the rear.

VOLTMETERS

Regular Type Trade No.	Flush Type Trade No.	Range in Volts	Value of Each Scale Division in Volts	Price Each
016573	016585	3	.02	\$25.00
016574	016586	6	.05	25.00
016575	016587	15	.1	25.00
016576	016588	25	.2	26.00
016577	016589	50	.5	26.50
016578	016590	75	.5	27.25
016579	016591	125	1.	28.25
016580	016592	150	1.	29.50
016581	016593	250	2.	31.50
016582	016594	300	2.	32.50
016583	016595	600	5.	35.00
016584	016596	750	5.	37.00

AMMETERS

Regular Type Trade No.	Flush Type Trade No.	Range in Amperes	Value of Each Scale Division in Amperes	Price Each
016531	016552	1	.01	\$25.00
016532	016553	5	.05	25.00
016533	016554	10	.1	25.00
016534	016555	15	.1	25.00
016535	016556	25	.2	25.00
016536	016557	50	.5	25.50
016537	016558	75	.5	26.00
016538	016559	100	1.	26.50
016539	016560	150	1.	27.00
016540	016561	200	2.	28.00
016541	016562	250	2.	28.25
016542	016563	300	2.	28.25
016543	016564	400	5.	28.50
016544	016565	500	5.	29.50
016545	016566	600	5.	30.50
016546	016567	750	5.	31.50
016547	016568	1000	10.	32.50
016548	016569	1200	10.	33.50
016549	016570	1500	10.	39.25
016550	016571	2000	20.	43.75
016551	016572	2500	20.	45.25

The above prices are for No. 11 dead black japan finish.

No extra charge will be made for above instruments with back connection or flush type cases. Always specify the style desired, when ordering.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON ROUND PATTERN STATION INSTRUMENTS.

FOR DIRECT CURRENT

MODEL 24



Regular Type



Flush Type

Diameter of front, $6\frac{5}{8}$ inches; diameter of flanged base, $7\frac{1}{4}$ inches; total depth, 4 inches; length of scale, $5\frac{1}{8}$ inches; weight, 9 pounds; weight packed, 15 pounds; packing case, 10x12x13 inches.

VOLTMETERS

Regular Type Trade No.	Flush Type Trade No.	Range in Volts	Value of Each Scale Division in Volts	Price Each
016598	016611	0- 3	.05	\$15.50
016599	016612	0- 5	.1	15.50
016600	016613	0- 6	.1	15.75
016601	016614	0- 10	.2	16.00
016602	016615	0- 15	.2	16.00
016603	016616	0- 25	.5	16.00
016604	016617	0- 50	1.	16.00
016605	016618	0- 80	2.	16.00
016606	016619	0-130	2.	16.50
016607	016620	0-150	2.	17.00
016608	016621	0-250	5.	19.50
016609	016622	0-300	5.	20.50
016610	016623	0-600	8.	26.50

SELF-CONTAINED AMMETERS

Regular Type Trade No.	Flush Type Trade No.	Range in Amperes	Value of Each Scale Division in Amperes	Price Each
016624	016635	0- 1	.02	\$15.00
016625	016636	0- 5	.1	15.00
016626	016637	0- 10	.2	15.00
016627	016638	0- 15	.2	15.50
016628	016639	0- 25	.5	15.50
016629	016640	0- 50	1.	15.75
016630	016641	0- 80	2.	15.75
016631	016642	0-100	2.	16.00
016632	016643	0-130	2.	16.50
016633	016644	0-150	2.	16.50
016634	016645	0-200	4.	17.00

If desired, the above ammeters will be furnished with external shunts instead of self-contained, as listed.

The above prices are for No. 11 dead black japan finish.

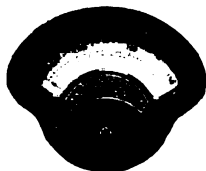
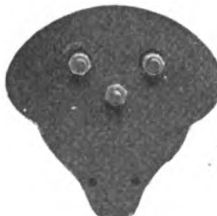
No extra charge will be made for above instruments with back connections.

The prices given above are for standard ranges, the ammeters being self-contained in all ranges named, but both voltmeters and ammeters can be made to any range on order, and the ammeters can be had with either contained or detached shunts, up to 200 amperes, but higher ranges will be furnished with detached shunts. Prices for ranges other than those listed will be quoted upon application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON MINIATURE PRECISION INSTRUMENTS

FOR DIRECT CURRENT

Model 267 Voltmeter
Front ViewModel 267 Voltmeter
Rear ViewModel 267 Ammeter
Front ViewModel 267 Ammeter
Rear ViewModel 268
Front ViewModel 268
Rear ViewMODEL 267 SWITCHBOARD VOLTMETERS, AMMETERS
AND MIL-AMMETERS

This group of instruments consists of a variety of ranges of small switchboard ammeters and voltmeters, suitable for use in small isolated lighting plants, small power plants, signal systems, battery charging panels, and for all kinds of service where small switchboard indicating instruments are needed.

Voltmeters

Trade No.	Range	Price Each	Trade No.	Range	Price Each	Trade No.	Range	Price Each
084867	1	\$10.50	084876	7.5	\$10.50	084885	50	\$10.50
084868	1.2	10.50	084877	8	10.50	084886	60	10.50
084869	1.5	10.50	084878	10	10.50	084887	75	10.50
084870	2	10.50	084879	12	10.50	084888	80	10.50
084871	2.5	10.50	084880	15	10.50	084889	100	10.50
084872	3	10.50	084881	20	10.50	084890	120	10.50
084873	4	10.50	084882	25	10.50	084891	130	10.50
084874	5	10.50	084883	30	10.50	084892	150	10.50
084875	6	10.50	084884	40	10.50	....	....	....

Ammeters

084893	1	10.50	084899	4	10.50	084905	12	10.50
084894	1.2	10.50	084900	5	10.50	084906	15	10.50
084895	1.5	10.50	084901	6	10.50	084907	20	10.50
084896	2	10.50	084902	7.5	10.50	084908	25	10.50
084897	2.5	10.50	084903	8	10.50	084909	30	10.50
084898	3	10.50	084904	10	10.50	....	....	....

Ammeters with External Shunts

For high ampere readings, Model 267 will be furnished as a millivoltmeter adjusted to external shunts. Information and prices relative to such instruments will be supplied upon application.

Dimensions

Vertical, 3.35 inches; horizontal, 4.1 inches; depth, 1.1 inches.

MODEL 268 SWITCHBOARD VOLTAMMETERS

Adapted for use in electrolytic work, charging and discharging small storage batteries, and for service in connection with direct current ignition systems for gas and gasoline engines, and in all classes of work in which a single instrument is necessary for indicating either potential difference or current.

Trade No.	RANGE		Price Each	Trade No.	RANGE		Price Each
	Volts	Amperes			Volts	Amperes	
084910	10-0-15	10-0-15	\$16.00	084918	5-0-15	10-0-30	\$16.00
084911	10-0-15	2-0-3	16.00	084919	5-0-10	5-0-10	16.00
084912	10-0-15	20-0-30	16.00	084920	10-0-20	2-0-4	16.00
084913	7.5-0-15	7.5-0-15	16.00	084921	5-0-10	1-0-2	16.00
084914	7.5-0-15	15-0-30	16.00	084922	5-0-10	10-0-20	16.00
084915	7.5-0-15	1.5-0-3	16.00	084923	10-0-20	5-0-10	16.00
084916	1.5-0-3	7.5-0-15	16.00	084924	10-0-20	1-0-2	16.00
084917	5-0-15	1-0-3	16.00	084925	10-0-20	10-0-20	16.00

Dimensions

Vertical, 4.25 inches; horizontal, 4.2 inches; depth, 1.35 inches

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON SWITCHBOARD INSTRUMENTS

FOR ALTERNATING CURRENT
MODELS 151 AND 156



Model 151



Model 156

The case of each ammeter is provided with a "ground terminal," which must, in order to ensure safety to the user, be connected to earth when the potential difference of circuits exceeds 200 volts. When properly erected, the ammeters are perfectly safe for use on circuits operating on a potential difference of 2300 volts, but must be used with transformers on circuits of higher potential difference.

Transformers must be used on all circuits carrying over 500 amperes, and we recommend a value of 5 amperes for the secondary, and will calibrate the instrument the value of the primary so that the instrument will be direct reading.

AMMETERS

Model 151

Trade No.	Range Amperes	Price Each
06850	1	\$17.75
06851	2	17.50
06852	3	17.00
06853	5	17.00
06854	10	17.00
06855	15	17.00
06856	25	17.00
06857	50	17.50
06858	75	17.50
06859	100	17.50
06860	150	18.00
06861	200	18.50
06862	250	18.75
06863	300	19.00
06864	400	19.50
06865	500	20.00

AMMETERS

Model 156

06873	1	14.00
06874	2	13.75
06875	3	13.50
06876	5	13.50
06877	10	13.50
06878	15	13.50
06879	25	13.50
06880	50	13.75
06881	75	13.75
06882	100	13.75
06883	150	14.25
06884	200	14.75
06885	250	15.00
06886	300	15.50
06887	400	16.50
06888	500	17.50

VOLTMETERS

Model 151

Trade No.	Range Volts	Price Each
06866	75	\$18.50
06867	125	18.50
06868	150	18.75
06869	300	22.50
06870	500	26.50
06871	600	27.50
06872	750	30.00

Voltmeters with a range above 300 volts are provided with external resistances.

Diameter of case, 9.56 inches.

Depth of case, 3.15 inches.

Length of scale arc, 6.5 inches.

VOLTMETERS

Model 156

06889	75	14.50
06890	125	14.50
06891	150	14.75
06892	300	18.50
06893	500	19.50
06894	600	21.00
06895	750	23.50

Voltmeters with a range above 150 volts are provided with external resistances.

Diameter of case, 7.25 inches.

Depth of case, 3.15 inches.

Length of scale arc, 5.25 inches.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ROLLER-SMITH PORTABLE INSTRUMENTS FOR DIRECT CURRENT



Handy Type



General Service Type

HANDY TYPE

Designed particularly for the use of wiremen and maintenance men, and for storage battery testing. Accurate and strong. Jewels are mounted on springs to withstand jars. Case, black enameled.

Voltmeters							
Trade No.	Range Volts	Each Div. Volts	Price Each	Trade No.	Range Volts	Each Div. Volts	Price Each
098529	1.5	.02	\$17.50	098533	150	2	\$18.50
098530	3	.05	17.50	098534	300	5	22.00
098531	15	.2	17.50	098535	3 and 75	.04 and 1	21.50
098532	75	1	18.00	098536	3 and 150	.04 and 2	22.00
Ammeters							
Trade No.	Range Amperes	Each Div. Amperes	Price Each	Trade No.	Range Amperes	Each Div. Amperes	Price Each
098537	1	.02	\$17.50	098540	25	.5	\$17.50
098538	5	.1	17.50	098541	50	1	18.00
098539	10	.2	17.50	098542	75	1	19.00

Leather case, for voltmeter or ammeter, \$1.75 each, list.

GENERAL SERVICE TYPE

Voltmeters							
Trade No.	Range Volts	Each Div. Volts	Price Each	Trade No.	Range Volts	Each Div. Volts	Price Each
098543	3	.02	\$29.00	098548	3	.02	\$38.00
098544	15	.1	29.00	098549	150	1	41.00
098545	150	1	33.00	098550	150	1	47.00
098546	300	2	36.00		300	2	
098547	600	5	40.00		150	1	
					750	5	
Ammeters							
Trade No.	Range Amperes	Each Div. Amperes	Price Each	Trade No.	Range Amperes	Each Div. Amperes	Price Each
098551	1	.01	\$29.00	098553	25	.2	\$29.00
098552	15	.1	29.00	098554	50	.5	29.50

Instruments only With Scale to Fit Separate Shunt

Trade No.	Price Each
098555	\$29.50

Ammeters up to 50 amperes have self-contained shunts. For larger capacities and for two or more ranges, separate shunts are used with instrument only, listed above. Extra ranges on same instrument should be chosen with reference to convenient scale markings. Even multiples are best; for example, 100 amperes and 10 amperes. Price of this combination is \$29.00 plus \$3.50 plus \$6.50, making a total of \$39.00.

SEPARATE SHUNTS

Trade No.	Amperes	Price Each	Trade No.	Amperes	Price Each
098556	1	\$7.00	098561	100	\$3.50
098557	5	6.50	098562	200	4.00
098558	10	6.50	098563	300	4.50
098559	25	6.50	098564	400	5.50
098560	50	7.00	098565	500	7.00

Shunts up to 50 amperes inclusive, are tube type.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ROLLER-SMITH PORTABLE INSTRUMENTS

FOR ALTERNATING CURRENT GENERAL SERVICE TYPE

This type has an electromagnet movement. Hot wire and electro-dynamometer mechanism can be supplied at special prices.

For higher capacities, use transformers, with 150-volt or 5-ampere instruments.

May be calibrated for D. C. also at \$2.50 net, additional.



General Service Type

Voltmeters					
Trade No.	Range	Price Each	Trade No.	Range	Price Each
098471	75	\$18.50	098474	500	\$26.50
098472	150	18.75	098475	600	27.50
098473	300	22.50	.....	.....	.....

Double range voltmeters furnished at \$5.00 additional to list prices above.

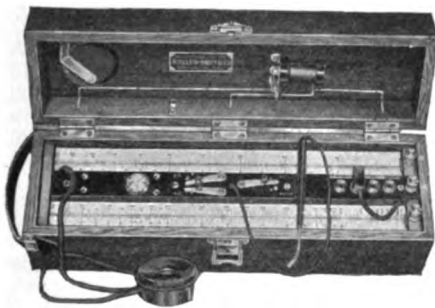
Ammeters					
Trade No.	Range	Price Each	Trade No.	Range	Price Each
098476	1	17.75	098482	75	17.50
098477	5	17.00	098483	100	17.50
098478	10	17.00	098484	150	18.00
098479	15	17.00	098485	200	18.50
098480	25	17.00	098486	250	18.75
098481	50	17.50	098487	300	19.00

Ammeters are furnished in single range only.

Size of the above instruments is 7x7x4 1/4 inches.

Weight, about 5 pounds.

PORTABLE OHMMETERS



Galvanometer Type, Ohmmeter

These instruments in many respects are superior to the Wheatstone bridge, having no loose plugs to be lost, being extremely simple to operate, and giving results which are read off directly in ohms from a scale without the necessity of any computation.

The scales are 30 inches long and, therefore can be read very closely. With each instrument, there is supplied a pair of loose scales, equally divided, which may be dropped into place over the regular scales when locating crosses and grounds on lines, and which show directly the distance of the point of trouble from one or the other of the binding posts of the instrument. The six dry cells necessary for the operation of the ohmmeter are in a

separate compartment in the base and may be readily removed and replaced. All instruments are multi-scale, the numerals for the different scales being printed in different colors, so as to avoid any chance of confusion.

Telephone Type

This type has the telephone receiver only as a means of finding the point of balance. The battery circuit key is built into this receiver so that it may be closed by the same hand which holds it to the ear, this meaning that the batteries are in use only at the time that observations are actually being made. The telephone type is specially recommended because of its simplicity and the absence of all delicate parts.

Trade No.	Mfrs. No.	No. of Scales	Range Ohms	Size Inches	Weight Pounds	Price Each
097637	3000	4	10, 100, 1000, 200000	17x5x5	11	\$45.00
097638	3001	4	10, 100, 1000, 2000000	17x5x5	11	50.00

Galvanometer Type

This type differs from the telephone type in that, in addition to the telephone receiver, it contains a d'Arsonval galvanometer of good sensibility together with an induction coil and sun-dry switches. By means of one switch either the telephone receiver or the galvanometer may be used at will for detection of attainment of balance and by means of another switch the battery current is either applied direct or used to excite the induction coil, from the secondary windings of which is then obtained alternating current. This type is useful where noise makes telephone readings difficult.

097639	3002	4	10, 100, 1000, 200000	17x5x5	11	60.00
097640	3003	4	10, 100, 1000, 2000000	17x5x5	11	65.00
097641	3004	Leather carrying case				8.00

ROLLER-SMITH SWITCHBOARD INSTRUMENTS

DIRECT CURRENT



Junior Imp Type



Imperial Type

JUNIOR IMP TYPE

Mechanism is of the permanent magnet, moving coil type, insuring uniform scale divisions and dead beat indications. Magnets are forged tungsten steel. Moving element is light but rigid. Case is heavy brass with black rubberoid finish and is dust and moisture-proof. Dials are etched metal, black. Connections are in the form of heavy studs projecting from the rear, and are provided with suitable nuts and washers. Diameter over all is $3\frac{1}{2}$ inches and of body, $2\frac{3}{8}$ inches.

Base flange type furnished for all regular work. Flush type furnished on special order for special propositions. An ideal instrument for small switchboards.

Voltsmeters, $3\frac{1}{2}$ Inches in Diameter							
Trade No.	Range	Value of Each Division	Price Each	Trade No.	Range	Value of Each Division	Price Each
132961	0-10	.5	\$5.30	132971	0-50	2	\$5.30
132962	0-15	.5	5.30	132972	0-80	2	7.00
132963	0-30	1	5.30	132973	0-150	5	7.00
Ammeters, $3\frac{1}{2}$ Inches in Diameter							
132964	0-5	.2	5.30	132974	30-0-30	2	5.30
132965	0-10	.5	5.30	132975	40-0-40	2	5.30
132966	0-15	.5	5.30	132976	0-60	2	7.00
132967	0-30	1	5.30	132977	60-0-60	5	7.00
132968	0-40	2	5.30	132978	0-80	2	7.00
132969	10-0-10	1	5.30	132979	0-100	5	7.00
132970	15-0-15	1	5.30	.....	.....	.....	.....

Ammeters over 40 amperes have separate shunt and 3-foot leads. Voltmeters over 50 volts have external resistance.

IMPERIAL TYPE

Designed for battery charging panels, farm lighting switchboards, and small switchboards of all kinds. Permanent magnet type, accurate and deadbeat. All are hand calibrated. Best quality jewel and pivot bearings. Case brass, finished in baked enamel and is dustproof.

Back connection only. Only two holes in switchboard are required. 4-inch size has scale $2\frac{3}{4}$ inches long. 3-inch size has scale $1\frac{7}{8}$ inches long. Scales begin at zero and are evenly divided.

Voltsmeters, 4 Inches in Diameter							
Trade No.	Range	Value of Each Division	Price Each	Trade No.	Range	Value of Each Division	Price Each
097829	3	.05	\$8.25	097833	50	1	\$9.00
097830	10	.2	8.25	097834	130	2	10.00
097831	15	.25	8.50	097887	150	2.5	10.00
097832	30	.5	8.50	097835	250	5	11.00
Voltsmeters, 3 Inches in Diameter							
097836	3	.1	6.50	097839	30	1	6.75
097837	10	.5	6.50	097840	50	2	7.25
097838	15	.5	6.75	.....	....	....	....
Ammeters, 4 Inches in Diameter							
097841	1	.02	8.25	097846	30	.5	9.25
097842	3	.05	8.25	097847	50	1	10.00
097843	5	.1	8.25	097848	100	2	11.00
097844	10	.2	9.00	097849	150	2.5	11.50
097845	15	.25	9.00	097850	200	4	12.00
Ammeters, 3 Inches in Diameter							
097851	1	.05	6.50	097855	15	.5	6.75
097852	3	.1	6.50	097856	30	1	7.00
097853	5	.25	6.50	097857	50	2	7.25
097854	10	.5	6.75	097858	100	5	8.75

Ammeters over 50 amperes have separate shunts with 3-foot leads. 50-ampere and under are self-contained. Meters 50 amperes and under supplied with separate shunts at list price of 100 ampere capacity device.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ROLLER-SMITH SWITCHBOARD INSTRUMENTS

I. P. (ISOLATED PLANT) TYPE



I. P. Type

ALTERNATING CURRENT

Electro-magnet movement. Deadbeat. Dust-proof cases. Standard finish, dead black. Scales of A. C. instruments are not evenly divided and are not readable below 20 per cent of full capacity. Diameter of base, 7½ inches.

For larger capacities, transformers should be used in connection with 150-volt or 5-ampere instruments, which will be marked to conform to primary.

Voltmeters

Trade No.	Range	Price Each	Trade No.	Range	Price Each
097897	15 to 75	\$14.50	097899	60 to 300	\$18.50
097898	30 to 150	14.75	097900	120 to 600	21.00

Ammeters

097901	1 to 5	13.50	097905	20 to 100	13.75
097902	2 to 10	13.50	097906	50 to 200	14.75
097903	5 to 25	13.50	097907	60 to 300	15.50
097904	10 to 50	13.75	097908	100 to 500	17.50

DIRECT CURRENT

Back connection type. Deadbeat. Standard finish, dead black. Scales begin at zero and are equally divided. Diameter of base, 7½ inches.

Voltmeters

Trade No.	Range	Value Each Division	Price Each	Trade No.	Range	Value Each Division	Price Each
097859	15	.2	\$15.50	097862	300	2.5	\$18.00
097860	100	1	16.00	097863	600	5	21.00
097861	150	2	16.50	.....	...	...	.....

Ammeters

097864	10	.1	15.50	097869	150	2	18.00
097865	25	.2	16.00	097870	200	2	18.00
097866	50	.5	16.50	097871	300	2.5	18.50
097867	75	1	17.00	097872	400	5	19.50
097868	100	1	17.50	097873	500	5	21.00

For other ammeter ranges, add price of shunts to \$15.50 list for instrument only. Zero center instruments supplied at same prices as above—each division has twice the value given above. Meters 100 amperes and over have separate shunts with 6-foot leads. Others, self-contained.

SEPARATE SHUNTS

All have uniform drop, 50 millivolts, and are therefore interchangeable.

Trade No.	Amperes	Price Each	Trade No.	Amperes	Price Each
097874	100	\$3.00	097881	1500	\$17.00
097875	200	3.50	097882	2000	20.00
097876	300	4.00	097883	3000	22.50
097877	400	5.00	097884	4000	35.00
097878	500	6.50	097885	5000	52.00
097879	750	9.50	097886	7500	75.00
097880	1000	11.50	.....	....	.....

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ROLLER-SMITH SWITCHBOARD INSTRUMENTS

R. R. (REGULAR ROUND) TYPE



R. R. Type

ALTERNATING CURRENT

Electro-magnet movement. Deadbeat. Dust-proof cases. Standard finish, dead black. Scales of alternating current instruments are not evenly divided and are not readable below 20 per cent of full capacity. Diameter of base, 9 $\frac{3}{8}$ inches.

For larger capacities, transformers should be used in connection with 150-volt or 5-ampere instruments which will be marked to indicate the primary current or voltage.

Voltmeters

Trade No.	Range	Price Each	Trade No.	Range	Price Each
097909	15 to 75	\$18.50	097911	60 to 300	\$22.50
097910	30 to 150	18.75	097912	120 to 600	27.50

Ammeters

097913	1 to 5	17.00	097917	20 to 100	17.50
097914	2 to 10	17.00	097918	40 to 200	18.50
097915	5 to 25	17.00	097919	60 to 300	19.00
097916	10 to 50	17.50	097920	100 to 500	20.00

DIRECT CURRENT

Deadbeat. Scales begin at zero and are evenly divided. Cases dust-proof. All have zero adjusters. Mechanism d'Arsonval type of improved design. Finish, dead black. All back connection.

Voltmeters

Trade No.	Range	Value Each Division	Price Each	Trade No.	Range	Value Each Division	Price Each
097941	15	.2	\$24.00	097944	600	5	\$34.00
097942	150	2.	27.00	097945	750	10	36.00
097943	300	2.5	30.00	.....	...	..	.....

Ammeters

097946	10	.1	23.00	097953	400	5	29.00
097947	25	.2	24.00	097954	500	5	29.00
097948	50	.5	24.00	097955	750	10	31.50
097949	75	1.	24.50	097956	1000	10	32.50
097950	100	1.	25.00	097957	1500	20	36.50
097951	200	2.	26.00	097958	2000	20	40.00
097952	300	2.5	28.00	097959	3000	25	43.00

Zero center ammeters supplied at same prices as above. For larger sizes, take instrument only, at \$24.00 list, and add price of shunt. Separate shunt prices on another page.

Meters 100 amperes and over have separate shunts with 6-foot leads. Smaller sizes, self-contained.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BATTERY TESTING INSTRUMENTS



Eaco Ammeter



Eaco Voltammeter

EACO BATTERY INSTRUMENTS

Trade No.	Volts	Ammeters		Price Each
		CAPACITY	Amperes	
36331		0-30	\$1.70
36332	0-14	Voltammeters		2.50
			0-30	



Pocket Galvanometer

POCKET GALVANOMETERS

About the size of an ordinary watch and has a close-fitting cover. Can be carried conveniently in the vest pocket. Polished brass finish.

Trade No.	Mfrs. No.	Description	Price Each
065604	3334	Pocket galvanometer.....	\$5.00

POLARITY INDICATORS

Can be carried in the vest pocket. Size 3 1/2 x 1 inches. Will indicate instantly the negative and positive poles when connected in circuit.

The nickel-plated shell will cover and protect the glass tube from injury while being carried in the pocket or tool bag. The neatest, most compact, durable and reliable indicator made.



Polarity Indicator

Trade No.	Mfrs. No.	Description	Price Each
065605	3320	Polarity indicator, for use with battery.....	\$1.50
065606	3321	Polarity indicator, for 500 to 600 volts.....	1.50

MAGNETO TESTING BELLS

Bells inside of case. The binding posts will hold any size wire up to and including No. 4.

Furnished regularly in polished oak case, but if desired, can be furnished in walnut box. Weight, about 10 pounds.



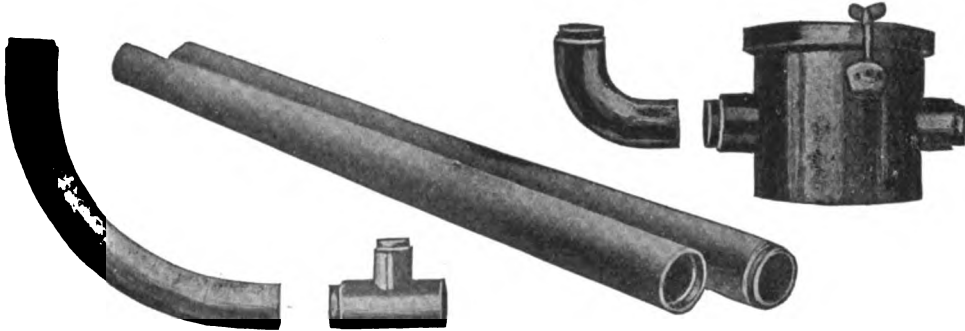
Magnet Testing Bell

Trade No.	Ohms	Price Each
41371	10000	\$9.00
41372	15000	9.20
41373	25000	9.50
41374	35000	10.00
41375	50000	11.00
41376	75000	12.00
41377	100000	15.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

AMERICAN BITUMINIZED FIBER CONDUIT

FOR UNDERGROUND CONDUIT CONSTRUCTION AND RAILWAY SIGNAL WORK



Electrical contractors will find Bituminized Fiber Conduit not only an ideal conduit for main line subway work, but for lateral and service line work it is much the cheapest in price, most easily and quickly installed, and at the same time the most efficient type of underground conduit in existence. It is about one third the cost of iron pipe; is a far better insulator and will last longer.

It will stand a puncture test of 60000 volts. There is no danger of a ground by reason of the lead covering of the cable coming in contact with the fiber.

The female end of each pipe should be dipped in the hot compound to a depth of $\frac{1}{2}$ inch and joined to the pipe in the trench before the compound becomes hardened. This makes a tight joint and keeps the inside of the tube smooth, making it easy to pull the cable.

The pipe can be cut into odd lengths with a saw and the butt joints easily wrapped and sealed.

Particular attention is drawn to the thickness of the wall, $\frac{3}{8}$ inch, of this conduit, and the length of the joint, $\frac{5}{8}$ inch, on each end of the pipe.

SOCKET JOINT CONDUIT

Bituminized Fiber Conduit is made in the following standard sizes:

Size Inside Diam. Inches	Length of Pipe Foot	Thick. of Wall Inches	Wt., Lbs. per Foot		Conduit Trade No.	Price, per 100 Ft.	Bends Only Trade No.		Price Each	Elbows Trade No.		Price Each	Tees Trade No.		Price Each
			Less than 100	per Foot											
1	5	$\frac{1}{4}$	1.12	1.07	048142	\$8.00	068573	8	\$1.35	029089	4	\$1.00	029079		\$1.10
1½	5	$\frac{3}{8}$	1.6	1.5	048143	8.50	068574	10	1.40	029090	5	1.00	029080		1.20
2	7	$\frac{3}{8}$	1.9	1.8	048144	9.00	068575	12	1.50	029091	6	1.05	029081		1.30
2½	7	$\frac{3}{8}$	2.3	2.24	048145	9.00	068576	14	1.50	029092	7	1.10	029082		1.40
3	7	$\frac{3}{8}$	2.4	2.3	048146	9.50	068577	18	1.75	029093	8	1.15	029083		1.50
3½	7	$\frac{3}{8}$	2.9	2.8	029096	10.00	029097	20	1.85	029098	8	1.20	83061		1.60
3½	7	$\frac{3}{8}$	3.3	3.2	048148	10.50	068579	24	2.00	029094	9	1.25	029084		1.70
4	7	$\frac{3}{8}$	3.45	3.35	048149	12.00	068580	30	2.25	029095	9	1.40	029085		1.80

JUNCTION BOXES

Trade No.	No. of Outlets	Inside Diam., Inches	Depth Inches	Price Each
029086	2	10	10	\$6.00
029087	3	10	10	6.00
029088	4	10	10	6.00

Sealing compound for sealing the joints, furnished free with all orders.

The conduit is made in 5 and 7-foot lengths; it is packed and shipped in crates, entailing little or no loss from breakage.

Standard bends are 45 and 90 degrees. Special sizes and radii made to order at short notice.

We can also furnish 6, 8 and 10-inch inside diameters, on special order, and can make any of these sizes with any thickness of wall that may be specified.

Send for booklet, "Underground Conduit Construction," and bulletins giving valuable information on various phases of underground work.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SHERARDUCT CONDUIT

SHERARDUCT

RUSTPROOF CONDUIT

Trade No.	Stand. Pipe Size, Inches	DIAMETER, INCHES		Threads per Inch	Wt., Lbs. per 100 Ft.	Price per 100 Ft.
		Inside	Outside			
33951	1/2	.622	.840	14	85.2	\$ 8.50
33952	3/4	.824	1.050	14	113.4	11.50
33953	1	1.049	1.315	11 1/2	168.4	17.00
33954	1 1/4	1.380	1.660	11 1/2	228.1	23.00
33955	1 1/2	1.610	1.900	11 1/2	273.1	27.50
33956	2	2.067	2.375	11 1/2	367.8	37.00
33957	2 1/2	2.469	2.875	8	581.9	58.50
33958	3	3.068	3.500	8	761.6	76.50
33959	3 1/2	3.548	4	8	920.2	92.00
33960	4	4.026	4.500	8	1088.9	109.00

ELBOWS

Trade No.	Stand. Pipe Size, Inches	Radius Inches	Offset Inches	Threads per Inch	Wt., Lbs. per 100	Price per 100
33961	1/2	4.250	7.375	14	75	\$19.00
33962	3/4	5.375	8.375	14	120	25.00
33963	1	5.750	9.500	11 1/2	200	37.00
33964	1 1/4	7.250	10.875	11 1/2	300	45.00
33965	1 1/2	8.250	12.625	11 1/2	427	60.00
33966	2	9.500	15.250	11 1/2	700	110.00
33967	2 1/2	10.500	17.375	8	1300	180.00
33968	3	13	19.500	8	1700	480.00
33969	3 1/2	15	21.250	8	2300	1060.00
33970	4	16	22.500	8	2700	1225.00

COUPLINGS

Trade No.	Stand. Pipe Size, Inches	Wt., Lbs. per 100	Price per 100
33971	1/2	11.6	\$ 7.00
33972	3/4	20.9	10.00
33973	1	34.3	13.00
33974	1 1/4	53.5	17.00
33975	1 1/2	74.3	21.00
33976	2	120.8	28.00
33977	2 1/2	172	40.00
33978	3	249.8	60.00
33979	3 1/2	424.1	80.00
33980	4	474.1	100.00

Sherardized means alloyed with zinc on the inside and outside surfaces alike.

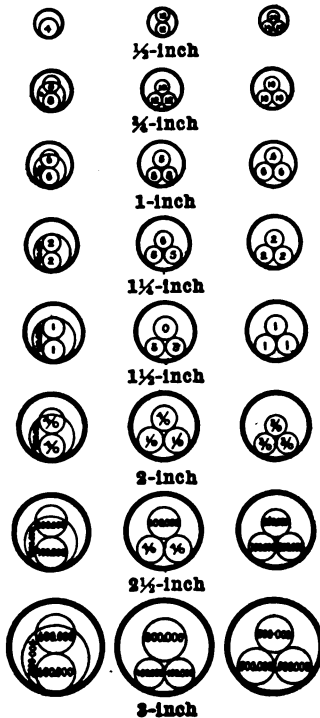
The zinc-iron alloy thus formed is covered by a pure coating of zinc, which is then given a bath in hot paraffine, the most penetrating of oils, thus resisting, in addition to ordinary corrosion, the action of acids commonly found in cinder concrete, and building materials.

Sherarduct, in the process of manufacture, is annealed. It therefore bends more readily and is more workable; meaning fewer elbows, naturally fewer cuts in the pipe and fewer threads to be cut on the job. Every length is soap-stoned. This, in connection with the special oil finish, produces a conduit which fishes most readily.

Rustproof, acid-proof, non-corrosive.

Conduit is furnished in 10-foot lengths, threaded at both ends, and with coupling on one end.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



RIGID IRON CONDUIT



Galvanized



Enameled

GALVANIZED CONDUIT

Galvanized conduit is manufactured from mild steel tubing of the best quality. The ends are carefully reamed to facilitate the fishing of wires. All tubes are thoroughly cleaned both inside and outside by special processes before being heavily coated with zinc. Only pure zinc is deposited, the resulting coat being bright, firmly adherent and non-corrosive.

ENAMELED CONDUIT

Enameled conduit is manufactured from mild, drawn steel tubing. Before enameling, the tubing is thoroughly cleaned and freed from dirt, grease, scale, silicates and burrs. This process leaves an absolutely clean surface for the application of the compound. This enamel forms a homogeneous coating, adhering closely to the surface pores of the metal, and retains its flexibility under all changes of temperature. The enamel used is acid, alkali, rust, and water-proof.

CONDUIT

Galvanized or Enameled

Trade No.	Stand. Pipe Size, Inches	DIAMETER, INCHES		Threads per Inch	Wt., Lbs. per 100 Ft.	Price per 100 Ft.
		Inside	Outside			
6441	1/4	.622	.840	14	85.2	\$8.50
6442	3/4	.824	1.050	14	113.4	11.50
6443	1	1.049	1.315	11 1/2	168.4	17.00
6444	1 1/4	1.380	1.660	11 1/2	228.1	23.00
6445	1 1/2	1.610	1.900	11 1/2	273.1	27.50
6446	2	2.067	2.375	11 1/2	367.8	37.00
6447	2 1/2	2.469	2.875	8	581.9	58.50
6448	3	3.068	3.500	8	761.6	76.50
6449	3 1/2	3.548	4	8	920.2	92.00
6450	4	4.026	4.500	8	1088.9	109.00

ELBOWS

Trade No.	Stand. Pipe Size, Inches	Radius Inches	Offset Inches	Threads per Inch	Wt., Lbs. per 100	Price per 100
06441	1/2	4.250	7.375	14	75	\$19.00
06442	3/4	5.375	8.375	14	120	25.00
06443	1	5.750	9.500	11 1/2	200	37.00
06444	1 1/4	7.250	10.875	11 1/2	300	45.00
06445	1 1/2	8.250	12.625	11 1/2	427	60.00
06446	2	9.500	15.250	11 1/2	700	110.00
06447	2 1/2	10.500	17.375	8	1300	180.00
06448	3	13	19.500	8	1700	480.00
06449	3 1/2	16	21.250	8	2300	1060.00
06450	4	16	22.500	8	2700	1225.00

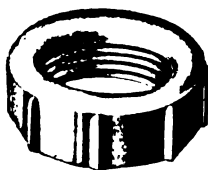
COUPLINGS

Trade No.	Stand. Pipe Size, Inches	Wt. Lbs. per 100	Price per 100	Trade No.	Stand. Pipe Size, Inches	Wt., Lbs. per 100	Price per 100
06451	1/2	11.6	\$7.00	06456	2	120.8	\$28.00
06452	3/4	20.9	10.00	06457	2 1/2	172	40.00
06453	1	34.3	13.00	06458	3	249.8	60.00
06454	1 1/4	53.5	17.00	06459	3 1/2	424.1	80.00
06455	1 1/2	74.3	21.00	06460	4	474.1	100.00

In ordering, specify whether galvanized or enameled conduit is desired.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

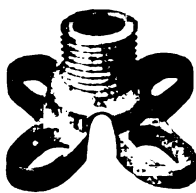
CONDUIT FITTINGS



Conduit Bushing



Locknut



No. 052231



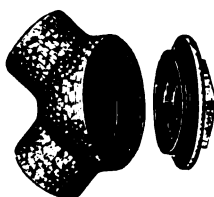
No. 052233



No. 052235



Chase Nipple



Type L Bendhicks

MALLEABLE IRON CONDUIT BUSHINGS, GALVANIZED

Trade No.	Size Inches	Std. Pkg.	Price per 100	Trade No.	Size Inches	Std. Pkg.	Price Each
052175	$\frac{3}{8}$	1000	\$6.00	052182	$2\frac{1}{2}$	25	\$60.00
052176	$\frac{1}{2}$	1000	6.00	052183	3	25	90.00
052177	$\frac{3}{4}$	100	8.00	052184	$3\frac{1}{2}$	20	150.00
052178	1	100	15.00	052185	4	20	200.00
052179	$1\frac{1}{4}$	100	18.00	052186	$4\frac{1}{2}$	20	400.00
052180	$1\frac{1}{2}$	50	20.00	052187	5	20	500.00
052181	2	50	40.00	052188	6	15	600.00

MALLEABLE IRON AND STEEL LOCKNUTS, GALVANIZED

052217	$\frac{3}{8}$	1000	1.50	052224	$2\frac{1}{2}$	25	30.00
052218	$\frac{1}{2}$	1000	1.50	052225	3	25	40.00
052219	$\frac{3}{4}$	100	2.50	052226	$3\frac{1}{2}$	25	60.00
052220	1	100	5.00	052227	4	25	100.00
052221	$1\frac{1}{4}$	100	8.00	052228	$4\frac{1}{2}$	20	140.00
052222	$1\frac{1}{2}$	50	12.00	052229	5	20	160.00
052223	2	50	20.00	052230	6	15	200.00

HICKEY FIXTURE STUDS

Trade No.	Size, Stud Inches	Std. Pkg.	Price per 100
052231	$\frac{3}{8}$	100	\$5.00
052232	$\frac{1}{2}$	100	6.60

Price includes two stove bolts with each stud.

FOUR-PRONG FIXTURE STUDS

052233	$\frac{3}{8}$	500	5.00
052234	$\frac{1}{2}$	100	6.50

Price includes two stove bolts with each stud.

INSULATED STUDS, FOR STRAIGHT ELECTRIC WORK

Height of stud is but $1\frac{3}{8}$ inches, so may be used with any style of canopy or with fixtures with flat backs.

The insulation stud takes the place of both the standard fixture stud and the old style insulating joint in one half the space.

Trade No.		Std. Pkg.	Price per 100
052235	$\frac{3}{8}$ -inch insulated stud	100	\$50.00
052236	$\frac{1}{4}$ x $\frac{3}{8}$ -inch hickey	100	10.00
052237	$\frac{3}{8}$ x $\frac{3}{8}$ -inch hickey	100	10.00

CHASE NIPPLES

Trade No.	Size Inches	Std. Pkg.	Price per 100	Trade No.	Size Inches	Std. Pkg.	Price
052420	$\frac{3}{8}$	1000	\$5.00	052425	$1\frac{1}{2}$	50	\$50.00
052421	$\frac{1}{2}$	1000	5.00	052426	2	50	30.00
052422	$\frac{3}{4}$	100	8.00	052427	$2\frac{1}{2}$	25	50.00
052423	1	100	15.00	052428	3	25	80.00
052424	$1\frac{1}{4}$	100	18.00	052429	$3\frac{1}{2}$	20	250.00

TYPE L BENDHICKS

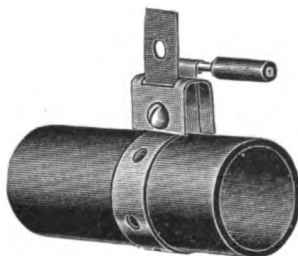
Trade No.	Mfrs. No.	Size, Conduit Inches	Unit Pkg.	Std. Pkg.	Price Each
018935	L- $\frac{1}{2}$	$\frac{1}{2}$	20	100	\$0.60
018936	L- $\frac{3}{4}$	$\frac{3}{4}$	10	100	.70
018937	L-1	1	10	50	.90
018938	L- $1\frac{1}{4}$	$1\frac{1}{4}$	6	24	1.35
018939	L- $1\frac{1}{2}$	$1\frac{1}{2}$	4	20	1.80
018940	L-2	2	2	10	3.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

GROUND CLAMPS

ALL-IN-ONE GROUND CLAMPS

This clamp is adjustable to different sizes of pipe.



All-in-one

Trade No.	Style	For Pipe Sizes, In.	Price Each
013759	A	$\frac{3}{8}$ to 1	\$0.20
013760	B	$\frac{3}{8}$ to 2	.25
013761	C	$\frac{3}{8}$ to 3	.30

For $3\frac{1}{2}$ -inch pipe use two B clamps; for 4-inch, one A and one C clamp; for 5-inch, two C clamps; for 6-inch, two C clamps.

SHAWMUT GROUND CLAMPS

For grounding secondary distributing systems, conduit installations, and metal cable sheaths. It is made of stamped copper formed to fit the pipe tightly, thus ensuring maximum contact, and can be applied quickly by either screwdriver or pliers. Lug takes No. 4 wire.



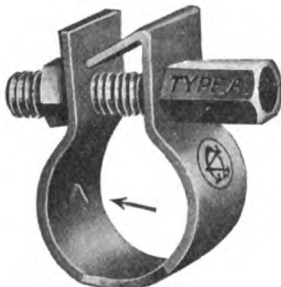
Shawmut

Trade No.	Mfrs. No.	Size Inches	Std. Pkg.	Price Each
58118	3660	$\frac{3}{8}$	100	\$0.24
036217	3661	$\frac{1}{2}$	100	.24
036218	3662	$\frac{3}{4}$	100	.28
036219	3663	1	50	.34
036220	3664	$1\frac{1}{4}$	50	.40
036221	3665	$1\frac{1}{2}$	50	.46
036222	3666	2	25	.52
036223	3667	$2\frac{1}{2}$	25	.58
036224	3668	3	15	.64

G. V.

Type A, for Electric Light and Power Circuits

Made for No. 4 wire and smaller. The band is made of cooper, the bolt of bronze and the whole is thoroughly tinned to prevent corrosion.



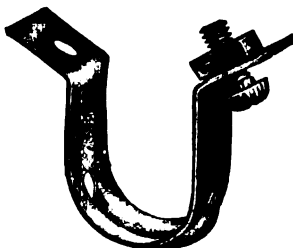
Type A

Trade No.	For Pipe Size, In.	Std. Pkg.	Price Each	Trade No.	For Pipe Size, In.	Std. Pkg.	Price Each
58127	No. 14*	100	\$0.24	07783	$1\frac{1}{2}$	50	\$0.46
07789	$\frac{3}{8}$	100	.24	07784	2	50	.52
07779	$\frac{1}{2}$	100	.24	07785	$2\frac{1}{2}$	25	.58
07780	$\frac{3}{4}$	100	.28	07786	3	25	.64
07781	1	75	.34	07787	$3\frac{1}{2}$	10	.80
07782	$1\frac{1}{4}$	75	.40	07788	4	10	.88

*For BX or Sterling No. 14 Duplex.

Type S, Steel

Type S is made of stamped steel and includes bolt and nut. No soldering is necessary with this clamp, which means a material saving in labor. Will hold No. 6 or No. 4 wire.



Type S

58128	*	100	.12	58133	$1\frac{1}{4}$	75	.18
58129	$\frac{3}{8}$	100	.12	58134	$1\frac{1}{2}$	50	.24
58130	$\frac{1}{2}$	100	.12	58135	2	50	.30
58131	$\frac{3}{4}$	100	.14	58136	$2\frac{1}{2}$	25	.38
58132	1	75	.16	58137	3	25	.46

*For armored cables BX or Sterling.

PAISTE GROUND CLAMPS

The material is cold-rolled copper, of gauge from No. 18 to No. 22, and with two friction tongues on the inside of the clamp insures a splendid ground.



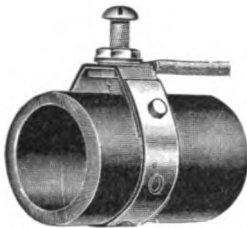
Paiste

Trade No.	Mfr. No.	Pipe Size Inches	Std. Pkg.	Price Each
60051	4466	$\frac{3}{8}$	200	\$0.12
60052	4460	$\frac{1}{2}$	200	.12
60053	4461	$\frac{3}{4}$	200	.14
60054	4462	1	100	.17
60055	4463	$1\frac{1}{4}$	100	.20
60056	4464	$1\frac{1}{2}$	100	.23
60057	4465	2	50	.26
60058	4467	$2\frac{1}{2}$	50	.29
60059	4468	3	50	.32

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDUIT FITTINGS

BLACKBURN GROUND CLAMPS

Blackburn Clamp
Type A-1Blackburn Clamp
Types 3 and 4

Simple in construction, being composed of a flexible perforated copper band to encircle the pipe, and a removable copper lug, with a boss raised on the flat end that fits into perforations in the band, and through which is threaded the tightening screw with locknut.

The lug is drilled for a No. 4 ground wire, ready for soldering, while the flat end with boss is milled to give a clean, smooth contact surface on which to clamp the band.

For Telephone and Similar Circuits

Trade No.	Type No.	Price per 100	Trade No.	Type No.	Price per 100
07795	0	\$11.00	07798	2	\$12.50
07797	A-1	12.00	.....	..	.....

No. 0 fits 1/2-inch ground rods. For rural exchanges.

No. A-1 fits 3/8, 1/2, 3/4, 1 and 1 1/4-inch pipe. Improved style. Standard size.

No. 2 fits 1 1/2, 2, 2 1/2 and 3-inch pipe. Special size.

For Power and Lighting Circuits

Trade No.	Type No.	Std. Pkg.	Wt., Lbs. per 100	Price per 100
58116	3	50	12	\$18.00
58117	4	50	16	22.00

No. 3 fits 3/8, 1/2, 3/4, 1 and 1 1/4-inch pipe, BX cable and flexible conduit.

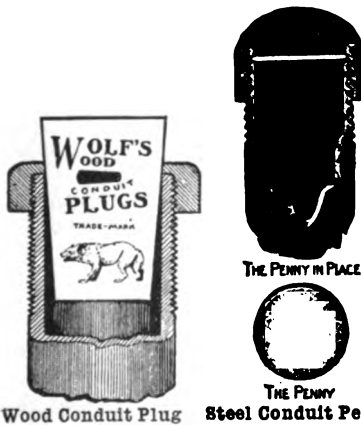
No. 4 fits 1 1/2, 2, 2 1/2 and 3-inch pipe.

WOOD CONDUIT PLUGS

Trade No.	For Size Mfrs. Conduit No. Inches	Price per 100	Trade No.	For Size Mfrs. Conduit No. Inches	Price per 100
55041	1 1/2	\$0.50	55061	5 1 1/2	\$1.60
55042	2 3/4	.60	55062	6 2	2.00
55043	3 1	.80	55063	7 2 1/2	12.00
55044	4 1 1/4	1.20	55064	8 3	16.00

STEEL CONDUIT PENNIES

Slip them inside the bushing and when the job is done, unscrew the bushing and the penny drops out. The best way to keep plaster, cement, nails, dirt, etc., out of conduit system while job is in construction.



Wood Conduit Plug

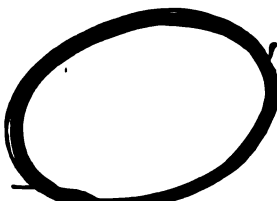
Steel Conduit Penny

Trade No.	For Size Conduit Inches	Unit Pkg.	Price per 1000	Trade No.	For Size Conduit Inches	Unit Pkg.	Price per 1000
55045	1 1/2	100	\$4.00	55065	1 1/2	50	\$16.00
55046	3/4	100	6.00	55066	2	50	20.00
55047	1	100	8.00	55067	2 1/2	..	30.00
55048	1 1/4	50	12.00	55068	3	..	40.00

TEMPERED STEEL FISH TAPES

These tapes are regularly furnished in 50, 75, 100, 125, 150 and 200-foot lengths, but can be furnished in any desired length.

Trade No.	Width Inches	Size B. & S.	Price, per 100 Ft.
55049	1/8	19	\$2.00
55050	3/8	19	3.00
55051	1/4	19	4.00



Steel Fish Tape

CONDUIT FITTINGS



Single Switch Cover

ECONOMY COMBINATION SWITCH BOX COVERS
AND SUPPORTS

These switch box covers not only save both money and time but make a much more satisfactory job. The switch outlets are always plumb, and a uniform distance from door jam. Flush with plaster.

Trade No.	Description	Std. Pkg.	Price per 100
133457	Single switch covers	500	\$16.00
133458	Double switch covers	500	20.00



Double Switch Cover

WROUGHT IRON PIPE HOOKS

Trade No.	Size Inches	Price per 100	Trade No.	Size Inches	Price per 100
07845	1/4	\$0.30	07849	1	\$0.65
07846	3/8	.35	07850	1 1/4	.85
07847	1/2	.40	07851	1 1/2	1.00
07848	3/4	.50	07852	2	1.10



Pipe Hook

TINNED PIPE STRAPS

07853	1/4	1.00	07858	1 1/4	2.50
07854	3/8	1.00	07859	1 1/2	3.00
07855	1/2	1.00	07860	2	3.50
07856	3/4	1.50	07861	2 1/2	8.00
07857	1	2.00	07862	3	10.00



Pipe Strap

JIFFY CLIPS

A low-priced but substantial clamp for hanging pipe, conduit, and lead covered cables. Only one screw or bolt is required to hold the pipe or cable and clip firmly in place. Standard finish, black Japan or galvanized.



Jiffy Clip

Trade No.	Conduit Size, Inches	Size Inches	Price per 100
56915	3/8	.675	\$1.40
56916	1/2	.840	1.40
56917	3/4	1.050	2.00
56918	1	1.315	3.50

Standard package, 100.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDUIT FITTINGS



Erickson Coupling

ERICKSON COUPLINGS

Erickson Couplings do away with running threads. They permit one to open run of conduit at any point desired. They enable one to start circuit from the two outlets and make a good and strong connection at any point in the run.

Trade No.	Mfrs. No.	Size Inches	Std. Pkg.	Wt., Lbs. per 100	Price per 100
052433	675	1/2	100	26	\$16.00
052434	676	3/4	50	34	20.00
052435	677	1	25	44	28.00
052436	678	1 1/4	25	104	50.00
052437	679	1 1/2	25	102	65.00



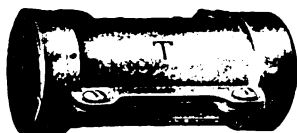
Chase Coupling

CHASE COUPLINGS

129423	830	1/4	100	4	6.00
052430	831	3/8	100	5	6.00
052431	832	1/2	100	7	6.00
052432	833	3/4	100	10	9.00

SPLIT COUPLINGS

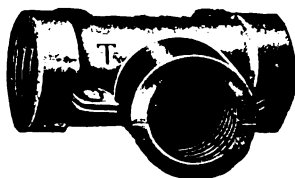
Trade No.	Mfrs. No.	For Conduit Size, In.	Std. Pkg.	Wt., Lbs. per 100	Price per 100
129433	855	1/2	100	18	\$26.00
129434	856	3/4	50	25	30.00
129435	857	1	25	37	40.00



Split Coupling

SPLIT TEES

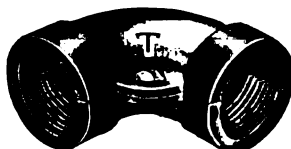
Trade No.	Mfrs. No.	Size, In. Through	Size, In. Tap	Std. Pkg.	Wt., Lbs. per 100	Price per 100
129424	685	1/2	1/2	100	32	\$35.00
129425	686	3/4	1/2	50	37	40.00
129426	687	3/4	3/4	50	39	45.00
129427	688	1	1/2	25	65	50.00
129428	689	1	3/4	25	66	55.00
129429	690	1	1	25	77	60.00



Split Tee

SPLIT ELBOWS

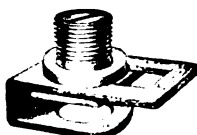
Trade No.	Mfrs. No.	For Conduit Size, In.	Std. Pkg.	Wt., Lbs. per 100	Price per 100
129430	695	1/2	100	27	\$26.00
129431	696	3/4	50	34	30.00
129432	697	1	25	54	40.00



Split Elbow

OFFSET FIXTURE STUDS

Trade No.	Mfrs. No.	Size Inches	Std. Pkg.	Wt., Lbs. per 100	Price per 100
129436	199	3/8	100	22	\$30.00



Offset Fixture Stud

Above price includes one 3/8-inch locknut for use in locking offset stud to box stud or gas pipe.

Split couplings, tees and elbows are bushed and flanged at joints to prevent entrance of dust, etc.

All the above couplings, tees and elbows are malleable iron, heavily galvanized.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDUIT FITTINGS

ELECTROLET CONDUIT FITTINGS

Type A

For inside work only—for meter loops, motor installations and all combination work.

Wires are protected against sharp edges of pipe by ledge on inside of porcelain. Porcelain housing exceptionally strong. Metal base is galvanized finish.



Type A

Trade No.	Mfrs. No.	Size of Pipe Inches	Number of Outlets	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
100439	1012	1/2	2	20	100	21	\$0.20
100440	1013	1/2	3	20	100	21	.20
100441	1022	3/4	2	20	100	30	.30
100442	1023	3/4	3	20	100	30	.30
100443	1032	1	2	10	50	26	.40
100444	1033	1	3	10	50	26	.40

Type B

Waterproof service entrance fitting for horizontal pipe only. Suitable for inside or outside installations. Slight offset in angle of metal base provides for practically straight pull on wires. Offset in hub prevents wires coming in contact with sharp edges on end of pipe. Metal base is black japan finish.



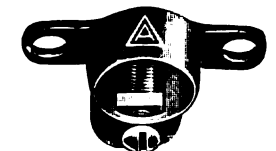
Type B

100445	1112	1/2	2	10	50	24	.30
100446	1113	1/2	3	10	50	24	.30
100447	1122	3/4	2	10	50	38	.45
100448	1123	3/4	3	10	50	38	.45
100449	1132	1	2	5	25	35	.60
100450	1133	1	3	5	25	35	.60

COMBINATION GROUND CLAMPS AND BOX SUPPORTS

Makes a dead ground between box and gas pipe. Enables one to fasten the box just where it is needed on the gas pipe or hanger and to hold it in the right place.

They cannot slip. The nut bites into the metal.



Combination Ground Clamp and Box Support

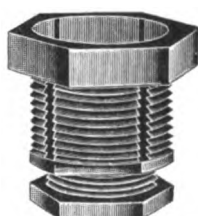
Trade No.	Mfrs. No.	Size Inches	Std. Pkg.	Price per 100
132788	166	3/8	100	\$5.00
132789	167	1/2	100	5.00



Reducing Bushing

REDUCING BUSHINGS

Trade No.	Size Inches	Std. Pkg.	Price Each	Trade No.	Size Inches	Std. Pkg.	Price Each
132790	3/4 to 1/2	50	\$0.15	132804	2 to 1 1/2	25	\$0.50
132791	1 to 1/2	50	.20	132805	2 1/2 to 1 1/2	25	1.00
132792	1 to 3/4	50	.20	132806	2 1/2 to 3/4	25	1.00
132793	1 1/4 to 1/2	50	.30	132807	2 1/2 to 1	25	1.00
132794	1 1/4 to 3/4	50	.30	132808	2 1/2 to 1 1/4	25	1.00
132795	1 1/4 to 1	50	.30	132809	2 1/2 to 1 1/2	25	1.00
132796	1 1/2 to 1/2	50	.40	132810	2 1/2 to 2	25	1.00
132797	1 1/2 to 3/4	50	.40	132811	3 to 1/2	25	1.35
132798	1 1/2 to 1	50	.40	132812	3 to 3/4	25	1.35
132799	1 1/2 to 1 1/4	50	.40	132813	3 to 1	25	1.35
132800	2 to 1/2	25	.50	132814	3 to 1 1/4	25	1.35
132801	2 to 3/4	25	.50	132815	3 to 1 1/2	25	1.35
132802	2 to 1	25	.50	132816	3 to 2	25	1.35
132803	2 to 1 1/4	25	.50	132817	3 to 2 1/2	25	1.35



No-thread Nipple

NO-THREAD CONDUIT NIPPLES AND COUPLINGS

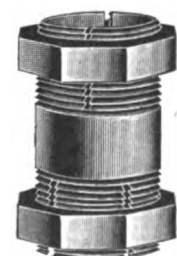
For 1/2-inch and 3/4-inch rigid conduit. Sherardized finish.

No-thread Nipples

Trade No.	Mfrs. No.	Size Inches	Unit Pkg.	Std. Pkg.	Price Each
132818	7100	1/2	50	50	\$0.20
132819	7101	3/4	50	50	.25

No-thread Couplings

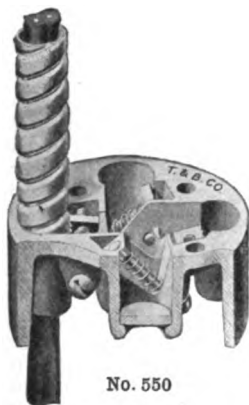
132820	7105	1/2	50	25	.40
132821	7106	3/4	50	25	.50



No-thread Coupling

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

T & B CONDUIT FITTINGS



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DEAD GROUND CABLE BOXES

These boxes have the simplest, yet absolutely the most effective connecting and grounding device, based on the wedge and inclined plane principle, which entirely does away with the multiplicity of parts required in boxes of other makes.

FOR FLEXIBLE STEEL ARMORED CONDUCTORS

The mechanical and electrical connection between box and armor is perfect. They are easy to install.

*Deep Type

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. per 100	Price per 100
052418	550	For straight electric work, $\frac{3}{8}$ -inch fixture stems....	100	88	\$22.00
052419	551	For comb. gas and electric, to slip $\frac{3}{8}$ -inch gas pipe...	100	79	22.00
109715	552	For comb. gas and electric, to slip $\frac{1}{2}$ -inch gas pipe...	100	79	22.00

*Shallow Type

109716	553	For straight electric work, $\frac{3}{8}$ -inch fixture stems....	100	50	22.00
109717	554	For comb. gas and electric, to slip $\frac{3}{8}$ -inch gas pipe...	100	47	22.00
109718	555	For comb. gas and electric, to slip $\frac{1}{2}$ -inch gas pipe...	100	47	22.00

*Deep boxes are 3 inches in diameter by $1\frac{1}{8}$ inches deep. Shallow boxes are 3 inches in diameter by $\frac{3}{4}$ inch deep.

FOR $\frac{1}{2}$ -INCH FLEXIBLE STEEL CONDUIT

109719	560	For straight electric work, $\frac{3}{8}$ -in. fixture stems.....	100	103	24.00
109720	561	For comb. gas and electric work, to slip $\frac{3}{8}$ -in. gas pipe....	100	100	24.00
109721	562	For comb. gas and electric work, to slip $\frac{1}{2}$ -in. gas pipe....	100	100	24.00

SIDE ENTRANCE CABLE BOXES

Boxes are galvanized and have eight $\frac{5}{8}$ -inch diameter knock-outs in four sets of two each. Boxes can be used with either one, two, three or four No. 580 connectors. Can be used also with non-metallic conduits.

No. 580 connectors can be placed in box in position for any set of knock-outs desired. Can be attached to conductor before connector is secured to box. Can also be used with any other box if box is provided with drilled and tapped hole for $\frac{3}{8}$ -inch M. S.

109722	570	†For straight electric work...	100	53	17.00
109723	571	†For comb. gas and electric work	100	46	17.00
109724	580	Twin connector for flexible metallic conduit.....	100	9	7.50

†Price does not include connectors.

STANDARD BOXES FOR ARMORED CONDUCTORS

Designed principally for finished house work. Fits flush with the surface of the wall. Two sides of the box, in which four plugged openings are provided, are made on an angle, making box easy to install even in narrow partitions.

Boxes are thoroughly galvanized.

109725	160	For straight electric work, $\frac{3}{8}$ -inch fixture stems....	100	74	20.00
109726	161	For comb. gas and electric, to slip $\frac{3}{8}$ -inch gas pipe..	100	76	20.00

CONDUIT AND BOX HANGERS

T & B ADJUSTABLE CONDUIT HANGERS

Will fit any flange from $2\frac{3}{4}$ to $11\frac{3}{8}$ inches. They are adjustable for varying plaster lines and will support any number of conduits from one to eight, which may run at any angle with the beams and close against the beam, or far enough below to permit a second line of conduits to be run above. Additional runs of conduit can be added without interfering with lines already in position. It is not necessary to loosen clamp to meet any condition which may arise.

Type A hangers are made of stamped steel.

Type A fit beams $2\frac{3}{4}$ to $7\frac{3}{8}$ inches.

Type A clamp used with extension will fit flange from $8\frac{1}{2}$ to $11\frac{3}{8}$ inches.



Type A



Beam Clamp Extension



Economy Fixture Stud



Economy Bar Hanger



Economy Cleat

Trade No.	Capacity of Hanger, Inches	Type A	
		Std. Pkg.	Price per 100
053001	1— $\frac{1}{2}$	100	\$34.00
053002	1— $\frac{3}{4}$	100	38.00
053003	1—1	50	44.00
053004	1— $1\frac{1}{4}$	50	48.00
053005	1— $1\frac{1}{2}$	25	52.00
104536	1—2	25	60.00
104537	1— $2\frac{1}{2}$	25	68.00
104538	1—3	25	78.00
053006	2— $\frac{1}{2}$	100	38.00
053007	2— $\frac{3}{4}$	100	42.00
053008	4— $\frac{1}{2}$	50	46.00
053009	4— $\frac{3}{4}$	50	50.00
053010	6— $\frac{1}{2}$	25	54.00
053011	6— $\frac{3}{4}$	25	62.00
053012	8— $\frac{1}{2}$	25	62.00
053013	8— $\frac{3}{4}$	25	70.00
053014	2— $\frac{1}{2}$ and 2— $\frac{3}{4}$	25	50.00
053015	2— $\frac{1}{2}$ and 4— $\frac{3}{4}$	25	58.00
053016	4— $\frac{1}{2}$ and 2— $\frac{3}{4}$	25	58.00
053017	4— $\frac{1}{2}$ and 4— $\frac{3}{4}$	25	66.00
053018	2—1	25	48.00
053019	2— $1\frac{1}{4}$	25	52.00
053020	2— $1\frac{1}{2}$	25	56.00

SUPPORTS

Trade No.	Size of Beam Inches	Std. Pkg.	Price per 100	Trade No.	Size of Beam Inches	Std. Pkg.	Price per 100
053038	1— $\frac{1}{2}$	100	\$8.00	053044	2— $\frac{1}{2}$	100	\$12.00
053039	1— $\frac{3}{4}$	100	10.00	053045	4— $\frac{1}{2}$	100	18.00
053040	1—1	50	16.00	053046	2— $\frac{3}{4}$	50	14.00
053041	1— $1\frac{1}{4}$	50	20.00	053047	4— $\frac{3}{4}$	50	22.00
053042	1— $1\frac{1}{2}$	25	24.00	053048	2—1	25	20.00
053043	1—2	25	32.00	053049	2— $1\frac{1}{4}$	25	24.00
104547	1— $2\frac{1}{2}$	25	40.00	053050	2— $1\frac{1}{2}$	25	28.00
104548	1—3	25	50.00	053051	Special Bolts	100	5.00
104549	Extension for use with Type A clamp.....						100 15.00

ECONOMY BAR HANGERS

Bar hangers consist of fixture stud and box support. They can be used for any style outlet box; hold both outlet box and fixture; and can be used for supporting switch boxes. They are adjustable to any position on bar and permit the use of all four knock-outs.

The box can be adjusted to any position on bar, then locked in place by means of a locknut on special fixture stud, as shown in illustration. Price does not include outlet box.

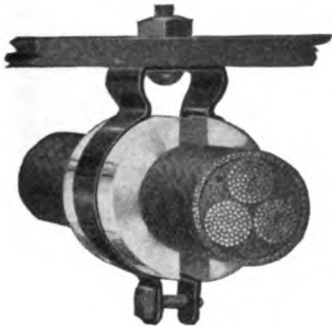
Trade No.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
56913	500	300	\$0.25

ECONOMY CLEATS

Trade No.	Description	Price per 100
56914	For all outlet and switch boxes	\$20.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MINERALLAC HANGERS



Hanger with Porcelain Bushing



Hanger without Porcelain Bushing

These hangers are made of the best spring steel and are much stronger than cast iron hangers for the same purpose.

They are easily and quickly put in place, and open wiring, conduit and cable may be run with greater rapidity and more compactly arranged than by the use of any other hanger.

These hangers have been approved by the Underwriters' National Electrical Association for use on circuits up to 300 volts when mounted direct on the surface wired over. For voltages from 300 to 550 volts these hangers must be installed with spacers under the base of the hanger or mounted on metal racks or brackets so as to hold the conductors at least 1 inch from the surface wired over. For voltages above 550 volts the hangers should be used with an appropriate insulating bushing having necessary insulation and dielectric strength, the hangers being mounted on metal racks or brackets to hold the conductors far enough from the surface wired over to preserve the required electrical clearance.

We are prepared to furnish all styles of these bushings for high tension work properly designed to get the necessary insulation and dielectric and mechanical strength.

FOR CABLE AND CONDUIT

Trade No.	Mfrs. No.	DIAM., INCHES OF OPENING		Size of 250-volt Lead Covered Cable	Size, In. of Cond.	Approximate Wt., Lbs. per 100	Price per 100
		Min.	Max.				
050656	0	$\frac{5}{8}$	$\frac{3}{4}$	3 to 7 cond. No. 14	....	4	\$3.45
050657	1	$\frac{7}{8}$	$1\frac{1}{8}$	Nos. 1 to 0000	$\frac{1}{2}$ and $\frac{3}{4}$	$4\frac{1}{2}$	3.80
050659	2	$1\frac{1}{4}$	$1\frac{1}{2}$	Nos. 0000 to 300000	1	$6\frac{1}{2}$	5.45
050660	3	$1\frac{1}{2}$	$1\frac{3}{4}$	500000 to 750000	$1\frac{1}{4}$	7	5.45
050661	4	$1\frac{3}{4}$	$1\frac{7}{8}$	800000 to 1125000	$1\frac{1}{2}$	12	6.75
050662	5	2	$2\frac{1}{4}$	1500000	2	13	7.25
050663	6	$2\frac{1}{2}$	3	2000000 or 3 cond. 0000	$2\frac{1}{2}$	$24\frac{1}{2}$	8.10

Above prices are for japan finish and do not include stove bolts or porcelain bushings.

PORCELAIN BUSHINGS

Trade No.	Mfrs. No.	DIAM., INCHES OF OPENING		Size of 250-volt Rubber Covered Cable	Approximate Wt., Lbs. per 100	Price per 100
		Min.	Max.			
050664	1	$\frac{5}{8}$	$\frac{3}{4}$	8 to 00	8	\$5.25
050665	2	$\frac{5}{8}$	$\frac{3}{4}$	000 to 0000	12	6.00
050666	3	$\frac{7}{8}$	$1\frac{1}{8}$	250000 to 450000	13	6.60
050667	4	$1\frac{1}{8}$	$1\frac{1}{2}$	500000 to 700000	22	7.65
050668	5	$1\frac{3}{8}$	$1\frac{1}{2}$	750000 to 1000000	27	8.50
050669	6	$1\frac{1}{2}$	2	1125000 to 2500000	32	9.25

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FLEXSTEEL FLEXIBLE CONDUIT AND CONDUCTORS

Flexsteel Armored Conductors and Flexsteel Flexible Conduit are very flexible, being easily bent and worked, but being non-elastic, will stay put and in place; no splitting open on short radius bends; no springing back before boxes can be set. They both have strength and durability, and after being installed are amply protected from mechanical and other injury.

Regularly inspected and labeled under the supervision of Underwriters' Laboratories.

FLEXSTEEL FLEXIBLE CONDUIT



Flexsteel Flexible Conduit has a flat exterior surface, an exclusive feature, which enables it to be easily installed.

The smooth interior surface insures the easiest fishing of wires, eliminating to the greatest extent the friction of the wires when being drawn in.

Trade No.	Nominal Inside Diam. Inches	Approx. Ft. per Coil	Price, per 100 Ft.	Trade No.	Nominal Inside Diam. Inches	Approx. Ft. per Coil	Price, per 100 Ft.
069528	$\frac{1}{8}$	250	\$5.00	069533	$1\frac{1}{4}$	50	\$26.00
069529	$\frac{3}{8}$	250	7.50	069534	$1\frac{1}{2}$	25-50	35.00
069530	$\frac{1}{2}$	100	10.00	069535	2	25-50	45.00
069531	$\frac{3}{4}$	50	13.00	33620	$2\frac{1}{2}$	25-50	52.00
069532	1	50	21.00	.....	....	.....	.....

FLEXSTEEL ARMORED CONDUCTORS



The exclusive feature of Flexsteel Armored Conductor is its flat surface, which adds to its efficiency, being easily cut and stripped, and making it the easiest to install.

Smooth, easy fishing; no binding. It can be bent double without opening, a severe test and one which proves Flexsteel superiority. It is moisture-proof and permanency of insulation is assured.

Twin Conductors				Three Conductors			
Trade No.	Size B. & S.	Approx. Ft. per Coil	Price, per 1000 Ft.	Trade No.	Size B. & S.	Approx. Ft. per Coil	Price, per 1000 Ft.
069536	14FS	250	\$104.00	069540	14FS3	250	\$138.00
069537	12FS	250	135.00	069541	12FS3	250	170.00
069538	10FS	200	185.00	069542	10FS3	200	235.00
069539	8FS	150	235.00	069543	8FS3	150	325.00
33607	6FS	100	370.00	33615	6FS3	100	472.00
33608	4FS	100	575.00	.....	.....	.....	.....

FLEXSTEEL LEAD COVERED ARMORED CONDUCTORS

33609	14FSL	100-200	164.00	33616	14FSL3	100-150	222.00
33610	12FSL	100-200	211.00	33617	12FSL3	100-150	290.00
33611	10FSL	100-150	255.00	33618	10FSL3	100-150	325.00
33612	8FSL	100-150	345.00	33619	8FSL3	100-150	450.00
33613	6FSL	100	625.00	.....	.....	.....	.....

FLEXSTEEL FLEXIBLE ARMORED LAMP CORD

Twin Conductors				Re-enforced			
Trade No.	Size B. & S.	Approx. Ft. per Coil	Price, per 1000 Ft.	Trade No.	Size B. & S.	Approx. Ft. per Coil	Price, per 1000 Ft.
33601	18F	150-250	\$65.00	33604	18FM	150-250	\$111.00
33602	16F	150-250	80.00	33605	16FM	150-250	125.00
33603	14F	150-250	115.00	33606	14FM	150-250	175.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FLEXSTEEL FITTINGS

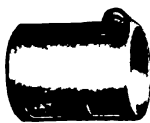


Cable Holder

CABLE HOLDERS

For Flexsteel Armored Conductors and Flexsteel Flexible Metallic Conduit

Trade No.	Mfrs. No.	Description	Std. Pkg.	Unit Pkg.	Wt., Lbs. Std.	Lbs. Pkg.	Price per 100
33630	2163	For $\frac{3}{8}$ -inch conduit, Types 14FS, 12FS, 10FS, 14FS3, 12FS3, 14FSL, 12FSL, 8SL, 6S, 6SL, 14FM, 14FSL3 and 4S conductors ($\frac{1}{2}$ -inch knock-out).....	100	50	15		\$7.50
33631	2164	For Types 10FS3, 12FSL3, 4SL, 2SL, 8FS, 10FSL, 10FSL3 and 2S conductors ($\frac{1}{2}$ -inch knock-out).....	100	25	18		7.50
33632	2166	For $\frac{1}{2}$ -inch conduit, Types 8FSL, 10FSL3, 8FSL3, 2SL, 8FS3, 6FS and 6FS3 conductors ($\frac{1}{2}$ -inch knock-out).....	100	25	20		7.50
33633	2167	For $\frac{3}{4}$ -inch conduit ($\frac{3}{4}$ -inch knock-out).....	100	25	30		9.50
33634	2169	For 1-inch conduit (1-inch knock-out).....	50	10	25		14.00
33635	2170	For $1\frac{1}{4}$ -inch conduit ($1\frac{1}{4}$ -inch knock-out).....	50	10	35		20.00
33636	2171	For $1\frac{1}{2}$ -inch conduit ($1\frac{1}{2}$ -inch knock-out).....	50	10	37		30.00
33637	2172	For 2-inch conduit (2-inch knock-out).....	20	10	20		40.00



Combination Coupling for Flexsteel and Rigid Conduit

COMBINATION COUPLINGS

For Flexsteel Conduit and Rigid Conduit

Trade No.	Mfrs. No.	Description	Std. Pkg.	Unit Pkg.	Wt., Lbs. Std.	Lbs. Pkg.	Price per 100
33638	2190	For $\frac{1}{2}$ -inch	100	10	22		\$12.50
33639	2191	For $\frac{3}{4}$ -inch	100	10	27		16.00
33640	2192	For 1-inch	50	5	25		21.00
33641	2193	For $1\frac{1}{4}$ -inch	50	5	45		30.00
33642	2194	For $1\frac{1}{2}$ -inch	25	5	35		40.00
33643	2195	For 2-inch	25	5	50		60.00

COUPLINGS FOR FLEXSTEEL CONDUIT



Coupling for Flexsteel Conduit

Trade No.	Mfrs. No.	Description	Std. Pkg.	Unit Pkg.	Wt., Lbs. Std.	Lbs. Pkg.	Price per 100
33644	2182	For $\frac{5}{8}$ -inch	50	25	5		\$8.00
33645	2183	For $\frac{3}{8}$ -inch	100	25	15		8.50
33646	2184	For $\frac{1}{2}$ -inch	100	10	30		9.25
33647	2185	For $\frac{3}{4}$ -inch	100	10	35		12.00
33648	2186	For 1-inch	50	5	25		16.00
33649	2187	For $1\frac{1}{4}$ -inch	50	5	45		22.00
33650	2188	For $1\frac{1}{2}$ -inch	25	5	35		30.00
33651	2189	For 2-inch	25	5	50		43.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FLEXSTEEL FITTINGS

PANEL BOX CONNECTORS

For Flexsteel Armored Conductors and Flexsteel Flexible Metallic Conduit



No. 2200



No. 2208



No. 2210



No. 414



No. 2220



No. 2220A

Nos. 2221 and
2222

No. 2224



No. 2225

Locknuts Attached

Trade No.	Mfrs. No.	Description	Std. Pkg.	Unit Pkg.	Wt., Lbs.	Price per 100
70906	2200	For $\frac{3}{8}$ -in. conduit, Types 14FS, 12FS, 10FS, 14FS3, 12FS3, 14FSL, 12FSL, 8SL, 6S, 6SL, 14FM, 14FSL3, 4S and 2S conductors ($\frac{1}{2}$ -in. knock-out).....	100	20	17	\$13.00
70907	2201	For Types 10FS3, 12FSL3, 4SL, 10FSL3, 2SL, 8FS, 10FSL, 10FSL3 and 2S conductors ($\frac{1}{2}$ -in. knock-out).....	100	20	20	13.00
70908	2202	For $\frac{1}{2}$ -in. conduit, Types 8FSL, 8FSL3, 2SL, 8FS3, 6FS and 6FS3 conductors ($\frac{1}{2}$ -in. knock-out).....	100	20	30	13.00
70909	2203	For $\frac{3}{4}$ -in. conduit ($\frac{3}{4}$ -in. knock-out).....	100	20	45	18.00
70910	2204	For 1-in. conduit (1-in. knock-out).....	20	5	12	21.00
70911	2205	For $1\frac{1}{4}$ -in. conduit ($1\frac{1}{4}$ -in. knock-out) ..	20	5	17	30.00
70912	2206	For $1\frac{1}{2}$ -in. conduit ($1\frac{1}{2}$ -in. knock-out) ..	20	5	22	40.00
70913	2207	For 2-in. conduit (2-in. knock-out).....	20	5	27	54.00

ANGLE CABLE HOLDERS

For Flexsteel Armored Conductors and Flexsteel Flexible Metallic Conduit

Locknuts Attached

70914	2208	45-degree, for $\frac{3}{8}$ -in. conduit, Types 6SL, 14FSL, 12FSL, 12FSL3, 14FSL3, 4S, 14FS, 12FS, 10FS3, 14FS3, 12FS3, 10FS, 8SL, 6S, 2S, 6SL and 14FM conductors.....	100	20	17	12.00
70915	2209	45-degree, for $\frac{1}{2}$ -in. conduit, Types 10FS3, 10FSL, 8FSL, 10FSL3, 8FSL3, 2S, 2SL, 8FS3 conductors.....	100	20	18	12.00
70916	2210	90-degree, for $\frac{3}{4}$ -in. conduit, Types 6SL, 14FSL, 12FSL, 12FSL3, 14FSL3, 4S, 14FS, 12FS, 10FS3, 14FS3, 12FS3, 10FS, 8SL, 6S, 2S, 6SL and 14FM conductors.....	100	20	22	12.00
70917	2211	90-degree, for $\frac{1}{2}$ -in. conduit, Types 10FS3, 10FSL, 8FSL, 10FSL3, 8FSL3, 2S, 2SL, 8FS3 conductors.....	100	20	22	12.00

METAL MOLDING CONNECTORS

70918	414	For Types 14FS, 12FS, 14FS3, 12FS3 and 14FM conductors.....	20	10	3	20.00
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CONNECTORS FOR FLEXIBLE CORD AND LAMP CORD

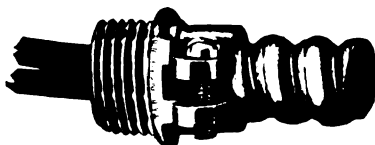
70919	2220	Steel connector for steel armored flexible cord No. 18 or 16 lamp cord with $\frac{3}{8}$ -in. male thread.....	200	50	15	7.00
70920	2220A	Hard fiber bushing for use with No. 2220 in coming out of an outlet box for insulating purposes. Made from hard, tough fiber $\frac{3}{8}$ -in. male to $\frac{3}{8}$ -in. female thread.....	200	50	7	10.00
70921	2221	Steel connector for steel armored flexible cord, for No. 18 and 16 lamp cord with $\frac{1}{8}$ -in. male thread.....	200	50	15	7.00
70922	2222	Steel connector for steel armored flexible lamp cord 14 and lamp cord, or 18 and 16 re-enforced lamp cord with $\frac{3}{8}$ -in. male thread.....	100	25	18	7.00

BRASS NIPPLES AND CAPS

70923	2224	Brass nipple and cap for No. 2221 connector to be used coming out of rosettes.	200	50	6	7.00
70924	2225	Long brass nipple and cap to be used with No. 2221 in coming out of deep rosettes.	200	50	10	7.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

T & B CONNECTORS



Squeeze Connector

Connector
Attached to
SocketSqueeze Connectors
Nos. 265 to 270

Inclined Set Screw Connector



Set Screw Connector



Standard Connector

SQUEEZE CONNECTORS

For Armored Cord—Nos. 18 and 16 S. S.

Trade No.	Mfrs. No.	Size Inches	Std. Pkg.	Wt., Lbs. per 100	Price per 100
53459	*250	1/4	100	4	\$7.50

For Armored Cord—Nos. 18 and 16 D. S.

53460	*251	1/4	100	4	7.50
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For Re-enforced Armored Cord—Nos. 18 and 16 S. S. or D. S.

53461	*252	5/8	100	4	7.50
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For Armored Conductors

53454	253	3/8	100	9	7.50
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For Flexible Metallic Conduit

53458	254	1/2	100	13	7.50
53462	255	3/4	100	21	9.50
53463	256	1	50	25	14.00
53464	257	1 1/4	50	40	20.00
53465	258	1 1/2	50	65	30.00
53466	259	2	50	86	40.00

The 1/4 and 5/8-inch sizes have 3/8-inch (pipe size) threaded ends to fit standard sockets.

*No locknuts are furnished with Nos. 250, 251 and 252.

3/8-inch takes No. 142 and No. 143 wire and No. 12-2 wire S. S. or D. S. conductors. 3/4, 1, 1 1/4, 1 1/2, and 2-inch take S. S. conduits only.

45° AND 90° SQUEEZE CONNECTORS

For Armored Conductors

Trade No.	Mfrs. No.	Size Inches	Degree	Std. Pkg.	Wt., Lbs. per 100	Price per 100
53467	265	3/8	45	100	12	\$12.00
53468	266	3/8	90	100	13	12.00

For Flexible Metallic Conduit

53469	267	1/2	45	100	16	12.00
53470	268	1/2	90	100	18	12.00
53471	269	3/4	45	50	22	16.00
53472	270	3/4	90	50	24	16.00

3/8-inch takes No. 142 and No. 143 wire and No. 12-2 wire S. S. or D. S. conductors.

1/2-inch takes 1/2-inch S. S. or D. S. conduits.

3/4-inch takes 3/4-inch S. S. conduits only.

INCLINED SET SCREW CONNECTORS

For Armored Conductors

Trade No.	Mfrs. No.	Size Inches	Std. Pkg.	Wt., Lbs. per 100	Price per 100
53473	240	3/8	100	8	\$7.50

SET SCREW CONNECTORS

For Armored Conductors

53474	243	3/8	100	12	7.50
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For Flexible Metallic Conduit

58215	244	1/2	100	13	7.50
58217	245	3/4	100	18	9.50
58219	246	1	50	32	14.00
58221	247	1 1/4	50	46	20.00

Locknuts furnished with all above connectors without charge.

STANDARD CONNECTORS

To install, loosen screw (thereby forcing wedge down), slip through hole in box, insert cable and tighten up screw which will clamp cable and fasten connector in box in one operation. Do not require locknut. Can be used in any box having 7/8-inch hole.

For Armored Conductors

58223	280	3/8	100	10	7.50
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Especially designed for use with Nos. 160 and 161 boxes.

T & B CONNECTORS



Hood Connector



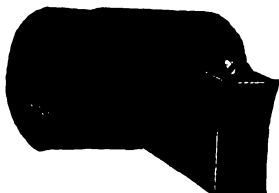
45° Hood Angle Connector



90° Hood Angle Connector



Hood Panel Connector



Hood Combination Coupling

HOOD CONNECTORS*

For Armored Conductors

Trade No.	Mfrs. No.	Size Inches	Std. Pkg.	Wt., Lbs. per 100	Price per 100
053069	200	$\frac{3}{8}$	100	13	\$7.50

For Armored Lead Conductors

053070	201	$\frac{3}{8}$ A	100	13	7.50
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For Flexible Metallic Conduit

053071	202	$\frac{1}{2}$	100	15	7.50
053072	203	$\frac{3}{4}$	100	19	9.50
053073	204	1	50	28	14.00
053074	205	1 $\frac{1}{4}$	50	44	20.00

$\frac{3}{8}$ -inch takes No. 14 2-wire and No. 14 3-wire and No. 12 2-wire S. S. or D. S. conductors.

$\frac{3}{8}$ -inch A takes No. 12 3-wire, No. 10 2-wire and No. 14 and No. 12 2-wire, leaded S. S. or D. S. conductors.

$\frac{1}{2}$ -inch takes $\frac{1}{2}$ -inch S. S. or D. S. conduits.

$\frac{3}{4}$, 1, and 1 $\frac{1}{4}$ -inch take S. S. conduits only.

45° AND 90° HOOD ANGLE CONNECTORS*

For Armored Conductors

Trade No.	Mfrs. No.	Size Inches	Degree	Std. Pkg.	Wt., Lbs. per 100	Price per 100
053063	211	$\frac{3}{8}$	45	100	16	\$12.00
053064	212	$\frac{3}{8}$	90	100	21	12.00

For Flexible Metallic Conduit

053065	213	$\frac{1}{2}$	45	100	20	12.00
053066	214	$\frac{1}{2}$	90	100	25	12.00
053067	215	$\frac{3}{4}$	45	50	26	16.00
053068	216	$\frac{3}{4}$	90	50	28	16.00

$\frac{3}{8}$ -inch takes No. 14 2 and No. 14 3-wire and No. 12 2-wire S. S. or D. S. conductors.

$\frac{1}{2}$ -inch takes $\frac{1}{2}$ -inch S. S. or D. S. conduits.

$\frac{3}{4}$ -inch takes $\frac{3}{4}$ -inch S. S. conduits only.

HOOD PANEL CONNECTORS*

For Armored Conductors

Trade No.	Mfrs. No.	Size Inches	Std. Pkg.	Wt., Lbs. per 100	Price per 100
053075	220	$\frac{3}{8}$	100	13	\$13.00

For Flexible Metallic Conduit

053076	221	$\frac{1}{2}$	100	20	13.00
053077	222	$\frac{3}{4}$	100	24	18.00

$\frac{3}{8}$ -inch takes No. 14 2 and No. 14 3-wire and No. 12 2-wire S. S. or D. S. conductors.

$\frac{1}{2}$ -inch takes $\frac{1}{2}$ -inch S. S. or D. S. conduits.

$\frac{3}{4}$ -inch takes $\frac{3}{4}$ -inch S. S. conduits only.

HOOD COMBINATION COUPLINGS

For connecting flexible and rigid metallic conduits, also for connecting flexible metallic conduit for outlet boxes by means of the T & B chase nipple. One-piece malleable iron galvanized. Cannot pull apart.

053078	230	$\frac{1}{2}$	100	19	12.50
053079	231	$\frac{3}{4}$	100	29	16.00
053080	232	1	50	35	21.00
053081	233	1 $\frac{1}{4}$	50	43	30.00
096824	234	1 $\frac{1}{2}$	50	75	40.00
096825	235	2	50	98	60.00

Nos. 234 and 235 are squeeze type.

$\frac{1}{2}$ -inch takes S. S. or D. S. conduits.

$\frac{3}{4}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$ and 2-inch take S. S. conduit.

*A locknut attached to each connector is furnished free of cost.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NON-METALLIC FLEXIBLE CONDUIT AND CLAMPS

NATIONAL ELECTRICAL CODE STANDARD

FLEXTUBE



Flextube is a continuous seamless circular tubing, constructed from specially prepared rigid fiber wood. The inner tube is closely woven, imparting smoothness to its interior, extreme flexibility and maintenance of circular form in bending. The inner tube is coated with a moisture and flameproof compound, and then covered with a substantial braiding. It is thoroughly soapstoned.

ALPHADUCT



Alphaduct is the original flexible tubing having the white inside lining of smooth, hard, glue finished cotton duck, lubricated with soapstone and a resilient helix of special fiber cord wound within the wall, giving the greatest strength of wall for mechanical protection to the insulation on the wires combined with greatest longitudinal flexibility of conduit.

The most suitable tubing for automobile connectors, being moisture-proof and flame-proof, and grease or oil cannot penetrate to the insulation on the wires because of the glue sized cotton duck member. Alphaduct does not deteriorate nor dry out in stock.

Price List
In Ordering, Specify Style Desired

Trade No.	Inside Diam., In.	Feet to Coil	Weight, per 1000 Feet	Price per Foot	Trade No.	Inside Diam., In.	Feet to Coil	Weight, per 1000 Feet	Price per Foot
019983	$\frac{1}{32}$	250	70	\$0.05 $\frac{1}{2}$	027326	1	100	275	\$0.25
027321	$\frac{1}{4}$	250	75	.06	027327	$1\frac{1}{4}$	100	360	.33
027322	$\frac{3}{8}$	250	110	.09	027328	$1\frac{1}{2}$	Odd Lengths	400	.40
027323	$\frac{1}{2}$	200	125	.12	027329	$1\frac{3}{4}$	Odd Lengths	440	.47
027324	$\frac{5}{8}$	200	155	.15	027330	2	Odd Lengths	600	.55
027325	$\frac{3}{4}$	150	200	.18	027331	$2\frac{1}{4}$	Odd Lengths	800	.65



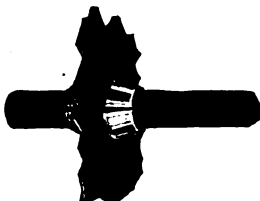
Type A Flexible Conduit Clamp



Type B Flexible Conduit Clamp



Showing Nos. 1 and 3 Universal Bushings Installed



Showing Nos. 2 and 4 Universal Bushings Installed

FLEXIBLE CONDUIT CLAMPS

Type A

This clamp is made in two pieces, held together with machine screw which when tightened up grips the flexible conduit and the gas pipe, and being installed back of plaster line, prevents any displacement of the conduit.

Trade No.	Description	Price, per 1000 Pairs
89998	$\frac{3}{8}$ -in. combination clamp, for $\frac{3}{8}$ -in. gas pipe..	\$40.00
89999	$\frac{1}{2}$ -in. combination clamp, for $\frac{1}{2}$ -in. gas pipe..	40.00

Type B

This clamp consists of two members held together by a wood screw which is fastened directly to the woodwork at all outlets.

90000	Straight electric work.....	25.00
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UNIVERSAL BUSHINGS

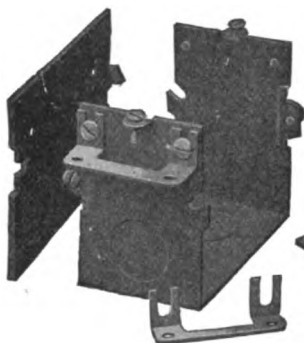
For holding flexible conduit in switch boxes, outlet boxes and all $\frac{5}{8}$ -inch and $\frac{1}{2}$ -inch knock-outs. This is a one-piece bushing, having tapered ends which allow it to be quickly pushed or pulled into place. It is installed or removed without the use of any tools and without injury to the tubing or box.

Trade No.	Mfrs. No.	Size of K. O., In.	Size of Tubing, In.	Std. Pkg.	Wt. Lbs.	Price per 1000
90001	1	$\frac{5}{8}$	$\frac{1}{4}$ and $\frac{5}{8}$	100	....	\$30.00
90002	2	$\frac{1}{2}$	$\frac{1}{4}$ and $\frac{5}{8}$	100	....	35.00
90003	3	$\frac{5}{8}$	$\frac{1}{2}$	100	....	30.00
90004	4	$\frac{1}{2}$	$\frac{1}{2}$	100	....	35.00

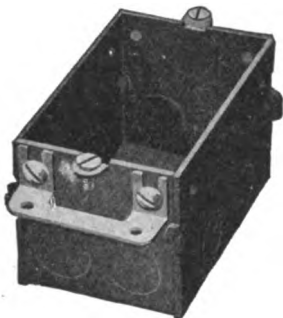
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNION SECTIONAL SWITCH BOXES

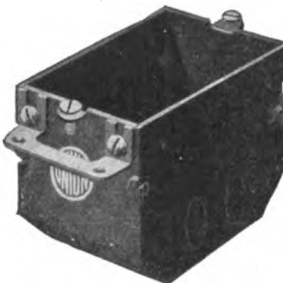
FOR ALL MAKES OF PUSH BUTTON AND RECTANGULAR BASE SWITCHES AND RECEPTACLES



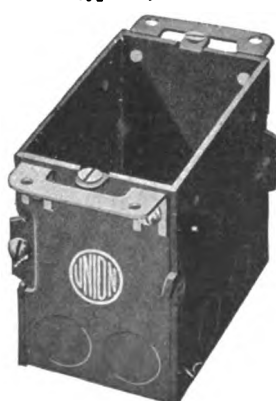
Unassembled View of Types S, C and A



Types S, C and A



Types D, F and E



Type Y

GEM SECTIONAL SWITCH BOXES

For Old and New Work

The Gem Box has been designed to meet the demand for single sectional box, which can be converted into any number of gangs by removing the sides.

The Gem Box is regularly furnished with Type C ear, reversible, having an adjustment from $\frac{1}{8}$ to $\frac{3}{4}$ inch. Suitable for old and new work. Ear extends $\frac{1}{2}$ inch from body of box and affords ample room for setting screws firmly into lath or mounting board.

FOR NON-METALLIC FLEXIBLE CONDUIT

Types D and E boxes are designed particularly for the re-wiring of old buildings. The beveled corners permit insertion into the smallest practical opening in the walls and make the fishing of the ends of flexible conduit into the box very easy.

All knock-outs are $\frac{5}{8}$ inch in diameter, except those of Type Y, which are $\frac{1}{2}$ inch.

Type Y knock-outs are amply large enough to accommodate BX Nos. 10, 12 and 14 B. & S. Twin Conductors and BX3 Nos. 12 and 14 B. & S. Triple Conductors; also $\frac{3}{8}$ and $\frac{1}{2}$ -inch Greenfield Flexible Steel Conduit when ends are protected by brass bushing caps. Box is provided with two holes in each end and four in back so that it can be used as a junction center as well as a switch box; they are $3\frac{1}{4}$ inches deep, which allows ample room in the back of switch to make and tape all joints without undue crowding.

All boxes are 3 inches long, 2 inches wide.

Trade No.	Type	Depth Inches	Description	Wt., Lbs. per 100	Price Each
80292	S	2	Box complete, without clamps	66	\$0.50
80293	S	2	Unit without sides	36	.40
130554	S	2	Box complete, with clamps	70	.60
130555	S	2	Unit, without sides, with clamps	40	.50
80298	D	2	Box complete, without clamps	70	.50
80299	D	2	Unit, without sides	34	.40
130556	D	2	Box complete, with clamps	74	.60
130557	D	2	Unit, without sides, with clamps	38	.50
80294	C	2½	Box complete, without clamps	79	.50
80295	C	2½	Unit without sides	42	.40
130558	C	2½	Box complete, with clamps	83	.60
130559	C	2½	Unit, without sides, with clamps	46	.50
130560	F	2¼	Box complete, without clamps	75	.50
130561	F	2¼	Unit, without sides	38	.40
130562	F	2¼	Box complete, with clamps	79	.60
130563	F	2¼	Unit, without sides, with clamps	42	.50
80300	E	2½	Box complete, without clamps	73	.50
80301	E	2½	Unit, without sides	40	.40
130564	E	2½	Box complete, with clamps	77	.60
130565	E	2½	Unit, without sides, with clamps	44	.50
80296	A	3	Box complete, without clamps	91	.50
80297	A	3	Unit, without sides	47	.40
130566	A	3	Box complete, with clamps	95	.60
130567	A	3	Unit, without sides, with clamps	51	.50
130568	Y	3	Box complete, without clamps	95	.50
130569	Y	3	Unit, without sides	51	.40
130570	Y	3	Box complete, with clamps	99	.60
130571	Y	3	Unit, without sides, with clamps	55	.50

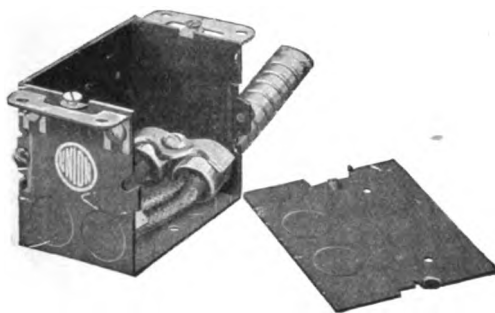
Standard package, 100.

Switch boxes always furnished black enamel finish unless otherwise specified.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNION SECTIONAL SWITCH BOXES

FOR ALL MAKES OF PUSH BUTTON AND RECTANGULAR BASE SWITCHES AND RECEPTACLES



Type X

GEM SECTIONAL SWITCH BOXES

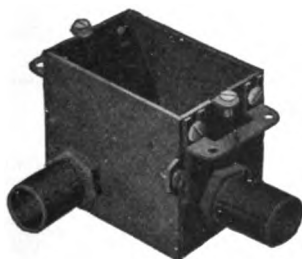
For Old and New Work

The Gem Box has been designed to meet the demand for single section box, which can be converted into any number of gangs by removing the sides.

The Gem Box is regularly furnished with Type C ear, reversible, having an adjustment from $\frac{1}{8}$ to $\frac{3}{4}$ inch. Suitable for old and new work. Ear extends $\frac{1}{2}$ inch from body of box and affords ample room for setting screws firmly into lath or mounting board.

FOR RIGID OR FLEXIBLE METALLIC CONDUIT

Type X knock-outs are $\frac{1}{8}$ inch in diameter, being amply large enough to accommodate BX Nos. 10, 12 or 14 B. & S. Twin Conductors, and BX 3 Nos. 12 and 14 B. & S. Triple conductors, also $\frac{5}{8}$ and $\frac{3}{8}$ -inch Greenfield Flexible Steel Conduit when ends are protected by brass bushing caps.



Type B

Types B and BD are designed for switch and receptacle casings in concealed conduit or armored cable work; take $\frac{1}{2}$ -inch and $\frac{3}{4}$ -inch conduit and may be used where a larger flexible tubing than $\frac{1}{2}$ inch is desired. Can be used with Standard BX conductors by using Sprague Box Connectors Nos. 6119-6124 adapted to old as well as new work.

All boxes are 3 inches long, 2 inches wide.



Type BD

Trade No.	Type	Depth Inches	Description	Wt., Lbs. per 100	Price Each
80304	X	2 $\frac{1}{2}$	Box complete, without clamps...	80	\$0.50
80305	X	2 $\frac{1}{2}$	Unit, without sides.....	44	.40
130592	X	2 $\frac{1}{2}$	Box complete, with clamps.....	84	.60
130593	X	2 $\frac{1}{2}$	Unit, without sides, with clamps.	48	.50
80302	B	2 $\frac{3}{4}$	Box complete, without clamps...	84	.50
80303	B	2 $\frac{3}{4}$	Unit, without sides.....	44	.40
130594	B	2 $\frac{3}{4}$	Box complete, with clamps.....	88	.60
130595	B	2 $\frac{3}{4}$	Unit, without sides, with clamps.	48	.50
130596	BD	3 $\frac{1}{2}$	Box complete, without clamps...	102	.50
130597	BD	3 $\frac{1}{2}$	Unit, without sides.....	50	.40
130598	BD	3 $\frac{1}{2}$	Box complete, with clamps.....	106	.60
130599	BD	3 $\frac{1}{2}$	Unit, without sides, with clamps.	54	.50

Standard package, 100.

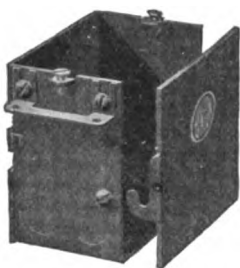
Switch boxes always furnished black enamel finish unless otherwise specified.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNION SECTIONAL SWITCH BOXES

TAKE ALL MAKES OF SWITCHES AND RECEPTACLES

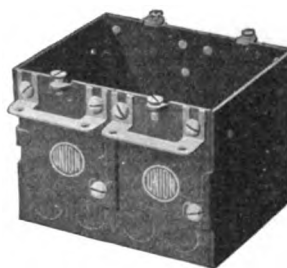
For Old and New Work



Single Box—Showing One Side Removable by Loosening Screws at Hooks



Spacer



2-gang Box made from a Single Box and Spacer



Type CCS



Type CC



Type AB

SECTIONAL BOXES FOR FLEXIBLE CONDUIT

Sectional switch boxes may be built up from the single unit by the use of spacer sections by loosening the two binding screws and slipping the spacers in position and tightening up the screws. No dividing walls between switch units. No binding straps or screws to be lost. No working apart after being installed. No open space between the different sections; a perfect gang switch box.

Equipped with reversible and sliding Type C ears so as to be adapted to plastered or unplastered walls.

All boxes are 3 inches long, 2 inches wide. Outlet holes, $\frac{5}{8}$ inch.

Trade No.	Type	Depth In.	Description	Std. Pkg.	Wt., Lbs. per 100	Price Each
057886	CCS	2	Single box, without clamps. . . .	100	66	\$0.50
057887	CCS	2	2-gang box, without clamps. . . .	50	101	.90
057888	CCS	2	Spacer, without clamps.	100	36	.40
130610	CCS	2	Single box, with clamps.	100	70	.60
130611	CCS	2	2-gang box, with clamps.	50	109	1.10
130612	CCS	2	Spacer, with clamps.	100	40	.50
057901	CC	2 $\frac{1}{2}$	Single box, without clamps. . . .	100	79	.50
057902	CC	2 $\frac{1}{2}$	2-gang box, without clamps. . . .	50	116	.90
057903	CC	2 $\frac{1}{2}$	Spacer, without clamps.	100	42	.40
130613	CC	2 $\frac{1}{2}$	Single box, with clamps.	100	83	.60
130614	CC	2 $\frac{1}{2}$	2-gang box, with clamps.	50	124	1.10
130615	CC	2 $\frac{1}{2}$	Spacer, with clamps.	100	46	.50
057898	AB	2 $\frac{3}{4}$	Single box, without clamps. . . .	100	84	.50
057899	AB	2 $\frac{3}{4}$	2-gang box, without clamps. . . .	50	125	.90
057900	AB	2 $\frac{3}{4}$	Spacer, without clamps.	100	44	.40
130616	AB	2 $\frac{3}{4}$	Single box, with clamps.	100	88	.60
130617	AB	2 $\frac{3}{4}$	2-gang box, with clamps.	50	133	1.10
130618	AB	2 $\frac{3}{4}$	Spacer, with clamps.	100	48	.50
057895	AA	3	Single box, without clamps. . . .	100	91	.50
057896	AA	3	2-gang box, without clamps. . . .	50	133	.90
057897	AA	3	Spacer, without clamps.	100	47	.40
130619	AA	3	Single box, with clamps.	100	95	.60
130620	AA	3	2-gang box, with clamps.	50	141	1.10
130621	AA	3	Spacer, with clamps.	100	51	.50

All single boxes furnished with one side removable, unless otherwise specified, obviating the necessity of carrying 2-gang boxes, already assembled, in stock.

All above are finished in a heavy black insulating enamel, but can also be furnished sherardized, which is absolutely rust-proof, at a slight advance in price.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNION SECTIONAL SWITCH BOXES



Type AC, Single



Type AC, 2-gang



Type AC, Spacer

TYPES AC AND DC, WITH CLAMP FOR FLEXIBLE CONDUIT

Takes all Makes of Push Button Switches

Types AC and DC boxes are designed particularly for use with flexible metallic conduit and armored cable. The construction is similar to Types AA and DD, the single box being constructed with removable side and may be built up into any number of gangs by removing side and inserting spacers.

Knock-outs are $\frac{1}{4}$ inch in diameter, being amply large enough to accommodate BX Nos. 10, 12 and 14 B. & S. Twin Conductors, and BX3 Nos. 12 and 14 B. & S. Triple Conductors; also $\frac{5}{8}$ and $\frac{3}{4}$ -inch Greenfield Flexible Steel Conduit when ends are protected by brass bushing caps. The Type AC box is provided with two holes in each end and four in back, so that it can be used as a junction center as well as a switch box. $3\frac{1}{4}$ -inch depth allows ample room in the back of switch to make and tape all joints without undue crowding.

Type DC box is similar to Type AC but is shallower and is made with beveled corners and has two knock-outs at each corner which allows wires to be inserted from either the back or the end of the box.

All boxes are 3 inches long, 2 inches wide. Holes, $\frac{1}{2}$ inch.

Trade No.	Type	Depth Inches	Description	Std. Pkg.	Wt. per 100 lbs.	Price Each
057877	DC	2½	Single box, with clamps.....	100	80	\$0.60
057878	DC	2½	2-gang box, with clamps.....	50	112	1.10
057879	DC	2½	Spacer, with clamps.....	100	44	.50
057874	AC	3¼	Single box, with clamps.....	100	98	.60
057875	AC	3¼	2-gang box, with clamps.....	50	154	1.10
057876	AC	3¼	Spacer, with clamps.....	100	56	.50

TYPES BB AND BE, FOR RIGID OR FLEXIBLE METALLIC CONDUIT

Takes all Makes of Push Buttons and Rectangular Base Switches and Receptacles

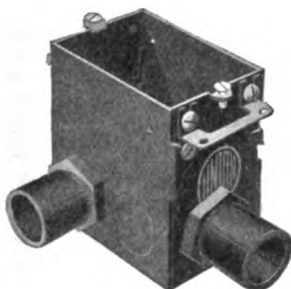
These boxes, are particularly adapted to old work, because of the small openings necessary in the finished walls or partitions. When equipped with Type C or F ears, adjustment may be made so that the box will sit flush with the plastered surface or the ears may be reversed without removing the screws for new work. The entire box, and opening in the wall for same, will be completely covered by any standard switch plate.

The knock-outs are for standard $\frac{1}{2}$ or $\frac{3}{4}$ -inch conduit, but may be used with metallic conduit by means of connectors such as Sprague Nos. 6119 and 6124.

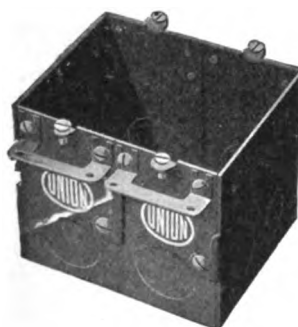
057904	BB	3½	Single box, without clamps...	100	102	\$0.50
057905	BB	3½	2-gang box, without clamps..	50	152	.90
057906	BB	3½	Spacer, without clamps....	100	50	.40
057868	BE	2¾	Single box, without clamps...	100	84	.50
057869	BE	2¾	2-gang box, without clamps..	50	125	.90
057870	BE	2¾	Spacer, without clamps.....	100	44	.40

Finished in black enamel; can also be furnished sherardized finish at a slight advance in price.

Type C ears regularly furnished.



Type BB, Single



Type BB, 2-gang



Type BB, Spacer

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNION SECTIONAL SWITCH BOXES

SECTIONAL BOXES FOR NON-METALLIC
FLEXIBLE CONDUIT

Take All Makes of Push Button Switches

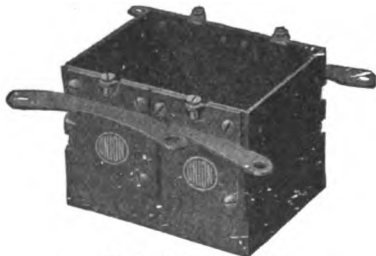
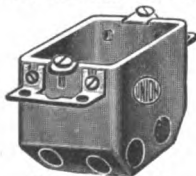
WITH BEVELED CORNERS



Type DD, Single

Type DD or DE Spacer
Showing Beveled CornersShowing SF Style of Ear
on Single Box

Type SF Spacer

Type SF 2-gang Box
Made from Single and Spacer

Type SS, Single

Designed particularly for the rewiring of old buildings; the beveled corners permit of its insertion into the smallest practical opening in the walls and make the fishing of the ends of flexible conduit into the box very easy.

All boxes are 3 inches long, 2 inches wide. Outlet holes, $\frac{5}{8}$ -inch.

Trade No.	Type	Depth In.	Description	Std. Pkg.	Wt., Lbs. per 100	Price Each
057871	DD	2	Single box, without clamps	100	70	\$0.50
057872	DD	2	2-gang box, without clamps	50	96	.90
057873	DD	2	Spacer, without clamps. . . .	100	34	.40
094436	DD	2	Single box, with clamps. . . .	100	74	.60
094437	DD	2	2-gang box, with clamps. . . .	50	104	1.10
094438	DD	2	Spacer, with clamps.	100	38	.50
057892	DE	2½	Single box, without clamps.	100	73	.50
057893	DE	2½	2-gang box, without clamps	50	110	.90
057894	DE	2½	Spacer, without clamps . . .	100	40	.40
094439	DE	2½	Single box, with clamps. . . .	100	77	.60
094440	DE	2½	2-gang box, with clamps. . .	50	118	1.10
094441	DE	2½	Spacer, with clamps.	100	44	.50

TYPE SF, FOR NON-METALLIC FLEXIBLE CONDUIT

Takes All Makes of Push Button and Rectangular Base
Switches and Receptacles

Type SF boxes can be furnished in depths ranging from 2 inches to 3½ inches, but unless otherwise specified will be furnished in 3-inch depth. Specially adapted for new work.

The new SF ear, as illustrated, is a one-piece ear having a wide reach similar to the old style cast iron switch frame.

All boxes are 3 inches long, 2 inches wide, $\frac{5}{8}$ -inch holes.

Trade No.	Type	Depth In.	Description	Std. Pkg.	Wt., Lbs. per 100	Price Each
094426	SF	3	Single box, without clamps.	100	95	\$0.50
094427	SF	3	2-gang box, without clamps	50	138	.90
094428	SF	3	Spacer, without clamps. . . .	100	51	.40
094442	SF	3	Single box, with clamps. . . .	100	100	.60
094443	SF	3	2-gang box, with clamps. . . .	50	146	1.10
094444	SF	3	Spacer, with clamps.	100	55	.50

SOLID DRAWN SWITCH BOXES

For Flexible Non-metallic Conduit

Designed for the contractor who may prefer a solid unit box for single and 2-gang installation. Single box has two knock-outs in each side, two in each beveled end. Equipped with reversible and sliding ears, and is adaptable for old and new work. Has rounded corners, drawn from 14 gauge steel.

Trade No.	Type	DIMENSIONS, INCHES			No. of Gangs	Std. Pkg.	Wt., Lbs. per 100	Price Each
		Depth	Width	Length				
094445	SR	2¼	2	3	1	100	68	\$0.30
094446	SR	2¼	3¾	3	2	50	101	.50
094435	SS	2½	2	3	1	100	70	.30
094447	SS	2½	3¾	3	2	50	105	.50
094448	SS	2½	5½	3	3	50	140	.70

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNION SECTIONAL SWITCH BOXES

FOR ALL MAKES OF PUSH BUTTON, ROTARY RECTANGULAR BASE SWITCHES AND FLUSH RECEPTACLES



No. 155



No. 160



No. 160, 3-Gang

Nos. 155 AND 160

No. 155 box is 4 inches long, 4 inches wide, $2\frac{5}{8}$ inches deep. Either of the small top cover plates can be removed by loosening screws, permitting access to wires without disturbing switch. Two conduit openings in each end, two in each side.

No. 160 box is $5\frac{3}{4}$ inches long, 4 inches wide, $2\frac{5}{8}$ inches deep. The hook eye construction permits of rapid assembling to any size gang desired, by loosening screws and inserting spacers. Made for $\frac{1}{2}$ and $\frac{3}{4}$ -inch conduit only, having six holes in each end section.

No. 160 spacer is $1\frac{3}{8}$ inches wide, $2\frac{5}{8}$ inches deep.

The spacers have but one outlet in each end.

Trade No.	Mfrs. No.	Depth Inches	No. of Gangs	Std. Pkg.	Wt., Lbs. per 100	Price Each
050833	155	$2\frac{5}{8}$	1	50	152	\$0.34
050834	160	$2\frac{5}{8}$	2	50	186	.60
050835	160A	$2\frac{5}{8}$	Spacer	100	44	.26

Blank Covers

By equipping above boxes with flat steel covers one has an ideal junction box for single and double main line blocks meeting every requirement of the underwriters. Covers for 180 switches will also fit box No. 155, so as to be used with snap switches, receptacles and rosettes.

Trade No.	Mfrs. No.	Style	Price Each
130551	161	Single	\$0.10
130552	162	Double	.12
130553	163	Triple	.15

No. 170

No. 170 box is 4 inches long, 2 inches wide, $1\frac{7}{8}$ inches deep. For new work only. A sectional, combination loom and conduit, shallow switch box for thin partitions and outside wall work. The end outlets are for $\frac{1}{2}$ -inch conduit, the two outlets on either side for loom or $\frac{3}{8}$ -inch flexible conduit. When equipped with flat covers listed above they make very satisfactory small junction or pull boxes.

Trade No.	Mfrs. No.	Depth Inches	No. of Gangs	Ears	Std. Pkg.	Wt., Lbs. per 100	Price per 100
050827	170	$1\frac{7}{8}$	1	Without	100	72	\$0.20
050828	170	$1\frac{7}{8}$	2	Without	50	106	.38
050829	170	$1\frac{7}{8}$	Spacer	Without	100	36	.18
050830	170A	$1\frac{7}{8}$	1	With	100	76	.30
050831	170A	$1\frac{7}{8}$	2	With	50	110	.54

No. 170A box with ears not suitable for old work, because standard switch plates will not cover ears.

Switch boxes always furnished black enamel finish unless otherwise specified.



No. 160, Spacer



2 Gang Plate Cover



No. 170, Single



No. 170, 2-Gang



No. 170, Spacer

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

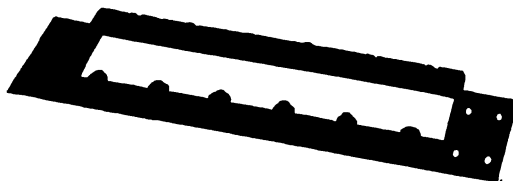
UNION SWITCH BOXES

SOLID ONE-PIECE BOXES

Made from Pressed Steel with One-piece Steel Covers



Box No. 304



Cover No. 326

Trade No.	Mfrs. No.	No. of Gangs	1/4-INCH KNOCK-OUTS			1/4-INCH KNOCK-OUTS			Price per 100	COVERS		
			Each Side	Each End	In Bottom	Each Side	Each End	In Bottom		Trade No.	Mfrs. No.	Price per 100
57189	302	2	5	2	5	4	2	4	\$60.00	57197	322	\$30.00
57190	303	3	6	2	10	6	2	8	90.00	130654	323	45.00
57191	304	4	8	2	10	7	2	8	120.00	130655	324	60.00
57192	305	5	8	2	10	8	2	8	160.00	130656	325	75.00
57193	306	6	10	2	10	8	2	8	310.00	130657	326	145.00
57194	307	7	10	2	10	10	2	8	470.00	130658	327	260.00
57195	308	8	12	2	10	12	2	8	500.00	130659	328	290.00
57196	309	9	14	2	10	12	2	8	550.00	130660	329	330.00
.....	...	10	..	..	..	..	..	..	.....	130661	330	360.00

Covers listed above are furnished with extra slotted screw holes plugged, so as to fit next smaller size box.

TANDEM SWITCH BOXES

For Rigid or Flexible Conduit

For old and new work to fit standard plates. Takes all makes of push button switches. Made in depths ranging from 1 1/4 to 3 1/2 inches. All boxes in 2 to 5 gangs made with solid sides, no partition between switches. Multiple tandems made to meet any requirements.

Trade No.	No. of Gangs	Price Each	Trade No.	No. of Gangs	Price Each
130651	2	\$1.20	130662	5	\$3.50
130652	3	1.70	130663	6	4.25
130653	4	2.60	130650	7	5.00

2-gang
Tandem Box

DOOR SWITCH BOXES

For Rigid or Flexible Conduit

A box for all standard makes of door switches. Made of 14-gauge steel and finished in black enamel, but when specified can be furnished sherardized coating at a small advance in price.

Type DS No. 1.—For Perkins and Arrow E. Has two 1/8-inch knock-outs for flexible conduit and one 1/2-inch knock-out for rigid conduit. Switch centers 3 3/4 inches.

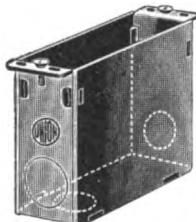
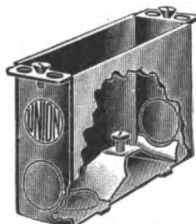
Type DS No. 2.—Same as above, with clamps.

Type DS No. 3.—For Diamond H Switch. Has two 1/8-inch knock-outs for flexible conduit and one 1/2-inch knock-out for rigid conduit. Switch centers 3 3/8 inches.

Type DS No. 4.—Same as above, with clamps.

Type DS No. 5.—For H. & H. Switch. Has two 1/8-inch knock-outs for flexible conduit and one 1/2-inch knock-out for rigid conduit. Switch centers 3 1/4 inches.

Type DS No. 6.—Same as above, with clamps.

Type DS No. 1
Switch BoxType DS No. 2
Switch Box

Trade No.	Type	Clamps	DIMENSIONS, INCHES			Price Each
			Depth	Length	Width	
57178	DS-1	Without	2 5/8	3 3/8	1 3/8	\$0.50
57179	DS-2	With	2 5/8	3 3/8	1 3/8	.65
57180	DS-3	Without	2 5/8	3 1/4	1 3/8	.50
57181	DS-4	With	2 5/8	3 1/4	1 3/8	.65
57182	DS-5	Without	3	3	1 3/8	.50
57183	DS-6	With	3	3	1 3/8	.65

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

H & H WALL CASES

NATIONAL ELECTRICAL CODE STANDARD

WALL CASES

The ears used in mounting the wall cases are reversible and the wall cases can be set flush in the walls that have already been plastered or can be mounted on the laths in walls not yet plastered, and in this latter case the ears have to be reversed. When specified, wall cases will be shipped with ears reversed.

Knock-out outlets are provided as follows: Four outlets in the bottom for $\frac{3}{8}$ -inch conduit, two at each end for $\frac{1}{4}$ -inch conduit.

All wall cases have screws in the bottom for fastening the No. 911 armored conduit clamps, so the shallow wall cases can be used on armored as well as non-metallic conduit work.



No. 901
with No. 911 Clamp
Entering Loom Knock-out
and Fastened Under
Clamp Screw



No. 912



No. 3047



No. 5007



No. 911

SHALLOW TYPE—DEPTH, 2 $\frac{1}{4}$ INCHES

Horizontal Style

Trade No.	Mfrs. No.	No. of Switches	Dimensions Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
020849	901	1	2 x 3 x 2 $\frac{1}{4}$	*	74	\$0.25
020850	902	2	3 $\frac{3}{8}$ x 3 x 2 $\frac{1}{4}$	*	65	.50
020851	903	3	5 $\frac{3}{8}$ x 3 x 2 $\frac{1}{4}$	*	62	.75
020852	904	4	7 $\frac{3}{8}$ x 3 x 2 $\frac{1}{4}$	*	65	1.00

For larger wall cases, for each switch add 1 $\frac{1}{8}$ inches, and 25 cents to list price.

Tandem Style

020857	912	2	2 $\frac{1}{8}$ x 6 $\frac{3}{4}$ x 2 $\frac{1}{4}$	*	75	.50
020858	913	3	2 $\frac{1}{8}$ x 10 $\frac{1}{4}$ x 2 $\frac{1}{4}$	*	75	.75
020859	914	4	2 $\frac{1}{8}$ x 13 $\frac{1}{4}$ x 2 $\frac{1}{4}$	*	75	1.00
020860	915	5	2 $\frac{1}{8}$ x 17 $\frac{1}{2}$ x 2 $\frac{1}{4}$	*	75	1.25

DEEP TYPE—DEPTH, 2 $\frac{1}{4}$ INCHES

Horizontal Style

046613	3031	1	2 x 3 x 2 $\frac{3}{4}$	*	94	.28
036614	3032	2	3 $\frac{3}{8}$ x 3 x 2 $\frac{3}{4}$	*	84	.56
036615	3033	3	5 $\frac{3}{8}$ x 3 x 2 $\frac{3}{4}$	*	84	.82

For larger sizes add 1 $\frac{1}{8}$ inches to the width for each additional gang and 26 cents to the list price.

Tandem Style

036633	3042	2	2 $\frac{1}{8}$ x 6 $\frac{3}{4}$ x 2 $\frac{3}{4}$	*	95	.56
036634	3043	3	2 $\frac{1}{8}$ x 10 $\frac{1}{4}$ x 2 $\frac{3}{4}$	*	95	.82

For each additional gang, add 3 $\frac{5}{8}$ inches to the height and 26 cents to the list price.

*100 single wall cases or their equivalent in gangs shall constitute a standard package.

WALL CASES FOR DOOR SWITCHES

A special wall case for door switches to be used with flexible non-metallic conduit or with iron conduit with knock-out outlets for $\frac{3}{8}$ and $\frac{1}{2}$ -inch conduit.

020848	3047	1	1 $\frac{1}{4}$ x 2 $\frac{7}{8}$ x 2 $\frac{3}{4}$	30	20	.40
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CONDUIT FASTENERS

Brass Fasteners for Holding Flexible Conduit in Wall Cases

Insert conduit through outlet in wall case. Force fastener over end of conduit as shown in illustration; the teeth of fastener will engage the fabric.

Trade No.	Mfrs. No.	Size of Conduit, Inches	Price per 100
020862	5007	$\frac{1}{4}$	\$1.00
020863	5008	$\frac{3}{8}$	1.00

Clamps for Fastening Armored Conduit in Wall Cases

By using these clamps, shallow wall cases can be used on armored conduit work. They are small enough to go in a loom knock-out and lie flat on the bottom, taking up no room.

Trade No.	Mfrs. No.	Std. Pkg.	Price per 100
90005	911	100	\$9.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OUTLET BOXES AND COVERS

4-INCH SQUARE BOXES



No. 101



No. 102



No. 101A



No. 101B



No. 101J



No. 101JT



No. 102A



No. 102B



No. 102C



No. 102D



No. 102E



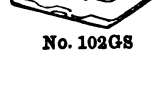
No. 102ES



No. 102F



No. 102G



No. 102GS

Trade No.	Mfrs. No.					Std. Pkg.	Wt. per 100	Lbs. per 100	Price per 100
	Union	Bossert	Pratt	Chuck	Sprague	T. & B.	Steel City	Appleton	
020306	101	1900	A	6200	320	A1½	4SC	100	85 \$30.00

1½ inches deep, for ½ or ¾-inch conduit. Regularly furnished with two outlets in each side, five in bottom. Two fixture holes tapped ⅛. Can also be made with three outlets in two opposite sides at same price.

020310	102	15	BA	6200SE	300	AX1½	4S	100	85½ 30.00
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1½ inches deep, for ½ or ¾-inch conduit. Regularly furnished with two outlets in each side, five in bottom, fixture holes not tapped. Can also be furnished with three outlets in two opposite sides or three outlets in all four sides at same price.

COVERS FOR 4-INCH SQUARE BOXES

020307	101A	22	B	6201	323	ACX	8476	200	37 20.00
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Steel cover, raised open center, opening 2½ inches diameter, ¼ inch high.

020308	101B	23	C	6209	324	ABX	8475	200	52 20.00
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Steel cover, closed, raised center, crown, ⅝ inch high.

020309	101J	22L	D	6206½	320C	200	36 20.00
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Steel cover, raised open center, with lugs not tapped.

49091	101JT	22L	D&T	..	6206	326	AKX	8477	200 3C 22.00
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Steel cover, raised open center with lugs drilled and tapped, giving 2¼ and 2½-inch centers, screw holes tapped ⅛. This cover will take any standard cover for 3¼-inch box, providing a combination whereby receptacles can be accommodated in the 4-inch box which are made for the 3¼-inch cover and box.

020311	102A	35	BB	6207	303	AC	8460	200	34 14.00
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Steel cover, raised open center, crown ¼ inch high, opening 2½ inches diameter.

020312	102B	35A	BC	6203	304	AB	8462	200	47¾ 14.00
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Steel cover, raised closed center, crown ⅝ inch high; used where box is required as a junction box; raised crown gives more space in box for splicing.

020313	102C	52	BI	6204	307	AD	8463	200	46 20.00
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Steel cover, raised center ⅝ inch high, with ⅝-inch insulating bushing for use where drop cord is required.

49092	102CC	AF	8464-2	200	46 25.00
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Steel cover, raised center ⅝ inch high, with two ⅝-inch insulating bushings in same for use where drop cords are required. Similar to No. 102C.

49093	102CCC	AFF	8464-3	200	46 30.00
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Steel cover, raised center ⅝ inch high, with three ⅝-inch insulating bushings in same, used where drop cords are required. Similar to No. 102C.

020314	102D	37	BF	6202	301	AE1¼	8466	100	46 20.00
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Steel cover, raised 1¼ inches high; takes all standard push button switches or rectangular base flush plug receptacles. This cover allows box to be set 1¼ inches back of plaster line. Mounting screw centers 3½ inches.

020315	102E	37A	BG	6210	311	AE¾	8468	200	38 20.00
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Steel cover, raised ¾ inch high; takes same switches and receptacles as No. 102D.

49090	102ES	AE¾	200	31 20.00
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Steel cover, raised ¾ inch high; takes same switches and receptacles as No. 102D.

020316	102F	78	BK	6211	305	AA	8465	200	39 14.00
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Steel cover, flat. This cover can be punched to take any standard receptacle at 10 cents each net extra.

020317	102G	38	...	6205	302	AG1¼	8469	100	50½ 25.00
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Steel cover, raised 1¼ inches high, for 2 push button switches, mounting screw centers 3½ inches one way, 1½ inches the other.

020318	102GS	38A	BH	6205½	302	AG¾	8470	100	33 25.00
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Steel cover, raised ¾ inch high, for two push button switches. Screw centers same as 102G.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OUTLET BOXES AND COVERS

COVERS FOR 4-INCH SQUARE BOXES

Trade No.	Union	Bossert	Pratt Chuck	Sprague	T. & B.	Steel City	Apple- ton	Std. Pkg.	Wt. per 100	Lbs. per 100	Price per 100
020319	102J	35L	.....	6208½	320C	.....	8461	200	36		\$12.00
Steel cover, raised center ⅝ inch high with lugs drilled but not tapped.											
49094	102JT	{ 35L D & T }	.....	6208	306	AK	{ 8461 D & T }	200	36		14.00
Steel cover, raised open center with lugs drilled and tapped, screws on 2⅝-inch and 2¾-inch centers for wall and outlet box receptacles and Bryant No. 393. Screw holes tapped ⅜. This cover will take any standard 3¼-inch box cover providing a combination whereby receptacles can be accommodated in the 4-inch box.											
49095	102K	.....	.....	.....	.....	AAH	8471	200	38		14.00
Steel cover, flat, 1½-inch hole in center for ring receptacles.											
49096	102KR	.....	.....	.....	.....	AH	8472	200	45		16.00
Steel cover, raised center ⅝ inch high, with 1½-inch hole in center for ring receptacles.											
49097	102L	.....	.....	.....	303	AT	8473	200	38		14.00
Steel cover, flat, with opening for Federal Receptacle; diameter of opening, 1½ inches.											
49098	102M	.....	.....	.....	.....	AGG	8474	200	39		14.00
Steel cover, flat, with ½-inch knock-out in center; can be furnished with two or more knock-outs, if desired.											
49102	102MR	.....	.....	.....	.....	HHH	8474A	200	47		14.00
Steel cover, raised center, with ½-inch knock-out in center.											

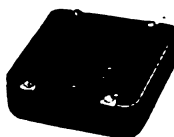
4½-INCH SQUARE BOXES

020320	110	11B	MA	6225	2	D1½	4SJ	50	107		40.00
1⅝ inches deep; two outlets in each side, five in bottom, drilled for fixture stem, for ½ and ¾-inch conduit only.											
020321	111	11B	deep NA	6225	deep 22	D2½	1	50	118		50.00
2¼ inches deep; two outlets in each side, five in bottom, drilled for fixture stem, for ½, ¾ and 1-inch conduits.											
49100	140	1200	SA	6231	23	DT1½	.....	50	122		50.00
1⅝ inches deep; two outlets in each side, four in bottom, for ½ and ¾-inch conduits; when ¾-inch pipe is used outlets in bottom are omitted.											
49101	150	1200A	TA	6231	deep 24	DT2½	.....	50	147		62.00
2¼ inches deep; two outlets in each side, four in bottom for ½ and ¾-inch conduits; when ¾-inch pipe is used outlets in bottom are omitted.											
Nos. 110A and 110D covers are used with Nos. 140 and 150 boxes.											

COVERS FOR 4½-INCH SQUARE BOXES

020322	110A	34	MC	6226	27	DC	8481	200	42		20.00
Steel cover, raised open center, crown ¾ inch high, opening 2⅝ inches.											
020323	110B	33	MB	6227	28	DB	8480	200	55		20.00
Steel cover, closed raised center, crown ⅝ inch high.											
020324	110C	77	MD	6229	31	DD	.....	200	53		22.00
Steel cover, raised center, crown ⅝ inch high, with one ⅜-inch bushing in center.											
020325	110D	43	ND	.....	2D	.....	.....	200	50		20.00
Steel cover, raised open center, ⅝ inch high, lapped edge fitting over box.											
020326	110E	44	NE	.....	2E	.....	.....	200	64		20.00
Steel cover, raised closed center, ⅝ inch high, lapped edge fitting over box.											
020327	110F	.....	.....	.....	.....	.....	.....	200	53		18.00
Steel cover, flat.											
49103	110G	38B	.....	.....	.....	DG½	8486	200	44		30.00
Steel cover, raised 1¼ inches high, for two push button switches.											
49104	110H	.....	.....	.....	.....	.....	.....	200	46		22.00
Steel cover, raised 1¼ inches high, for one push button switch.											

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



OUTLET BOXES AND COVERS

4-INCH ROUND AND OCTAGON BOXES



No. 103



No. 103O



No. 104



No. 103A



No. 103B



Nos. 103C-103CB



No. 103CC



No. 103D



No. 103E



No. 103F



No. 103H



No. 103J



No. 103JT



Nos. 103K-103KB



Nos. 103L-103M

Trade No.	Union	Bossert	Pratt Chuck	Mrs. No. Sprague	Steel T. & B. City	Appleton	Std. Wt., Lbs. Pkg. per 100	Price per 100
020372	103 Round	8B	CA	.....	9	B1½	4R 100 70	\$25.00
Round, 1½ inches deep, for ½ and ¾-inch conduit. Four outlets in side, five in bottom. Drilled for fixture stems, two holes tapped 10-24.								
49011	103 Octagon	8BO	CAO	6350	400	O1½	4O 100 70	25.00
Octagon, 1½ inches deep, for ½ and ¾-inch conduit. Four outlets in side, five in bottom. Drilled for fixture stems, two holes tapped 10-24.								
020373	104 Round	8B Deep	DA	.....	499	B2½	4RD 100 78	32.00
Round, 2¼ inches deep, for ½, ¾ and 1-inch conduit. Four outlets in side and five in bottom; but no outlets in bottom when 1-inch knock-outs are supplied in sides. Drilled for fixture stems, not tapped.								
49012	104 Octagon	8BDO	.....	6350	401	O2½	4OD 100 78	32.00
Octagon, 2¼ inches deep, for ½, ¾ and 1-inch conduit. Four outlets in side, five in bottom; no outlets in bottom when 1-inch knock-outs are supplied in sides. Drilled for fixture stems, not tapped.								

COVERS FOR 4-INCH ROUND AND OCTAGON BOXES

020374	103A	31	CB	6383	434	BC	8400	200	24½	14.00
Steel, open raised cover; opening 2½ inches, crown ¾ inch high.										
020375	103B	40	CC	6386	438	BB	8401	200	36½	14.00
Steel, closed raised cover, crown ½ inch high.										
020376	103C	41	CD	6387	439	BD	8402	200	36½	18.00
Steel, closed raised cover, crown ⅝ inch high, with ⅜-inch insulating bushing in center for drop cord.										
49013	103CB	.....	CK	.....	9N	BDC	.....	200	36½	66.00
Brass, closed raised cover, with outlet same as 103C, only made from brass.										
49014	103CC	42	.....	.....	BF	8412	200	36½	20.00	
Steel, raised cover, ⅝ inch high, with two ⅜-inch insulating bushings for use where drop cords are required from outlet.										
49015	103CCC	.....	.....	.....	.....	8412A	200	36½	25.00	
Steel, raised cover, ⅝ inch high, with three ⅜-inch insulating bushings for use where drop cords are required from outlet.										
020377	103D	76	CE	6376	429	BA	8403	200	29½	12.00
Steel, flat cover. This cover can be drilled and tapped to take any standard receptacle at 10 cents each net.										
020378	103E	80	CF	6363	418	BJ	8404	200	24½	16.00
Steel, flat cover, for 5 and 10-ampere snap switches and wall receptacles, which are attached to cover by machine screw and nut. Slots in cover give a range of centers from ⅞ to 1⅞ inches.										
020379	103F	62	CG	.....	9Q	BTZ	8404	200	24	62.00
Brass, raised cover ⅝ inch high; polished; for Federal Receptacles Nos. 303 and 304; diameter of hole, 1¼ inches.										
020381	103H	62S	CI	6355	413	BT	8407	200	25	12.00
Steel, raised cover, ⅝ inch high; for Federal Receptacles; diameter of hole, 1¼ inches.										
020383	103J	31L	.....	6385	437	BK	8409	200	23½	12.00
Steel, raised cover, ⅝ inch high, with lugs drilled but not tapped.										
49022	103JT	31LDT	.....	6385	436	BK	8409DT	200	23½	14.00
Steel, raised cover, ⅝ inch high, with lugs drilled and tapped, giving 2½ and 2¾-inch centers for wall and outlet box receptacles and Bryant No. 393. Screw holes tapped ⅜. This cover will take any standard 3¼-inch box cover providing a combination whereby receptacles can be accommodated in the 4-inch box.										
020384	103K	.....	.....	6358	9K	BCC	8410	200	23½	12.00
Steel, flat cover, for shade holder receptacle; screw center, 2½ inches; hole 1¼ inches diameter; takes Arrow E and Bryant 59107, GE071 and GE072.										
49023	103KB	.....	.....	.....	.....	.....	.....	200	23½	62.00
Brass, flat cover; same as 103K, only made from brass.										
020385	103L	.....	.....	6359	415	BDD	8411	200	24½	12.00
Steel, flat cover, for Benjamin Receptacles Nos. 6, 6B, 6C, 6D, 6T; diameter of hole, 1½ inches.										
49018	103M	.....	.....	6378	430	BGG	8413	200	29½	12.00
Steel, flat cover, with ½-inch knock-out in center.										
Ear centers are 3½ inches, tapped 10-24. Nos. 103 and 105 Covers are interchangeable.										

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OUTLET BOXES AND COVERS

COVER FOR 4-INCH ROUND AND OCTAGON BOXES



No. 103MR



No. 103N



No. 103O



No. 103P



No. 103Q



Nos. 103W-103WB



No. 105



No. 105A



No. 105B



No. 105C



No. 105D



No. 105E



No. 105F



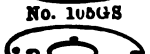
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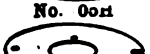
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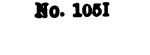
No. 105I



No. 105J



No. 105K



No. 105L

Trade No.	MFRS. No.						Std. Pkg.	Wt., Lbs. per 100	Price per 100
	Union	Bossert	Chuck	Sprague	T. & B.	Steel City			
49019 103MR	6374	.....	BHH	8414	200	36½ \$14.00
Steel, raised cover, ⅝ inch high, with ½-inch knock-out in center.									
49020 103N	6364	419	BM	8415	200	32 18.00
Steel, flat cover, with ⅝-inch brass male nipple.									
49021 103O	6366	421	BN	8416	200	32 20.00
Steel, flat cover, with ⅝-inch female nipple.									
49024 103P	6368	423	BO	8417	200	34 20.00
Steel, flat cover, with ⅝-inch male nipple.									
49025 103Q	6370	425	BP	8418	200	34 20.00
Steel, flat cover, with ⅝-inch female nipple.									
130696 103W	200	25 14.00
Steel raised cover for outlet box receptacle P & S New No. 372; screw centers, 2½ inches; hole, 1½ inches.									
130697 103WB	200	25 62.00
Brass cover raised for outlet box receptacle P & S New No. 372; screw centers, 2½ inches; hole, 1½ inches.									

4-INCH ROUND AND OCTAGON RECEPTACLE BOXES

060594 105Round 8N	GA	.....	99	BR1½	4RR	100	68	25.00
1½ inches deep, for ½ or ¾-inch conduit. Four outlets in sides only; no provision for fixture stems; holes in bottom tapped for 8-32 screws on 1-inch, 1⅜-inch and 1½-inch centers.								
060596 105Octagon 8NO	GAO	6350N	403	OR1½	.....	100	68	25.00
1½ inches deep, for ½ or ¾-inch conduit. Four outlets in sides only; no provision for fixture stems; holes in bottom tapped for 8-32 screws on 1-inch, 1⅜-inch and 1½-inch centers.								

COVERS FOR 4-INCH ROUND AND OCTAGON RECEPTACLE BOXES

060599 105A	53	GB	6395	445	BAA	8420	200	29	14.00
Steel cover, raised center, hole ⅝ inch for Norbitt Rosettes C332 and C338.									
060600 105B	57	GF	6394	444	BBB	.....	200	26	14.00
Steel cover, raised center, hole 1⅝ inches, for Trumbull Receptacle No. 976.									
060601 105C	54	GC	6357	414	BH	8424	200	30½	14.00
Steel cover, raised center, 1½-inch hole for P & S Nos. 61577, 61578, 61988, 61877, 102703, 102704, 436, 427, 437, 439; G. E. Receptacles Nos. GE001, GE079, GE060, GE118, GE153, GE267, GE269; Bryant Nos. 61988, 4035, 4036, 4023, 4003, 59108; Paiste Nos. 61988, 47566, 59439; Arrow E Nos. 427, 439, 4003, 59108, 61577, 61877, 61988.									
020365 105D	55	GD	6395PB	9S	BAAZ	8121	200	29	62.00
Brass cover, raised center, ⅝-inch hole for Norbitt Rosettes Nos. C332 and C338.									
020366 105E	56	GE	6357PB	9P	BHZ	8425	200	29	62.00
Brass cover, raised center, 1½-inch hole; takes all receptacles listed under 105C.									
020367 105F	71	GG	6394PB	9T	BBBZ	8423	200	29	62.00
Brass cover, raised center, 1⅝-inch hole, for Trumbull Receptacle No. 976.									
020368 105G	75	GK	6351PB	9O	BVZ	8428	200	23½	62.00
Brass cover, depressed, 1⅝-inch opening for G. E., Bryant and Paiste Receptacles No. 9397.									
020369 105GS	75S	.....	6351	410	BV	8429	200	28	14.00
Steel cover, depressed, 1⅝-inch opening for G. E., Bryant and Paiste Receptacles No. 9397.									
020370 105H	83B	GM	6361PB	9U	BYZ	8426	200	24	62.00
Brass cover, flat, opening 1⅝ inches, for P & S and Arrow E Nos. 61777, 61977, 54; G. E. Nos. GE000 and 60931; Bryant Nos. 61777, 40488, 40663; Paiste Nos. 46749, 61777. Screw centers 1⅝ inches.									
020371 105I	83	GL	6361	416	BY	8427	200	25¼	14.00
Steel cover, flat, opening 1⅝ inches; screw centers 1⅝ inches; take same receptacles as listed under 105H.									

Nos. 103 and 105 Covers are interchangeable.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OUTLET BOXES AND COVERS

3¼-INCH ROUND AND OCTAGON BOXES



No. 106



No. 106O



No. 106A



No. 106B



No. 106C



No. 106CB



No. 106CC



No. 106D



No. 106DH



No. 106E



No. 106F



No. 106G



No. 106H

Nos. 106I and
106JNos. 106K and
106L

No. 106M

Trade No.	MFRS. No.						Std. Wt., Lbs. per 100	Price per 100
	Union	Bossert	Chuck	Sprague	T. & B.	Steel City		
020330	106 Round	17A	FA	.....	7	CS1½	3R	100 49 \$20.00
1½ inches deep, for ½-inch conduit only. Four outlets in sides, one in bottom. Can also be furnished with two outlets in bottom. Two holes tapped 10-24 for fixture stems.								
49351	106 Octagon	17AO	FAO	6250	501	YS1½	.....	100 49 20.00
1½ inches deep, for ½-inch conduit only. Four outlets in sides, one in bottom. Can also be furnished with two outlets in bottom. Drilled but not tapped for fixture stems.								

COVERS FOR 3¼-INCH ROUND AND OCTAGON BOXES

020340	106A	82	FK	6261	506	CY	8309	200	20	10.00
Steel cover, raised open center, ⅜ inch high, 1½-inch hole; takes Bryant receptacle No. 59108.										
020341	106B	50	FG	6286	530	CB	8301	200	23	9.00
Steel cover, closed, raised center crown ⅜ inch high.										
020342	106C	50B	FI	6274	529	CD	8202	200	22	15.00
Steel cover, raised center, ⅜ inch high, with ⅜-inch insulating bushing for drop cord.										
131864	106CB	.....	.....	.....	.....	CDZ	.....	200	22	50.00
Brass cover, raised center, ⅜ inch high, with insulating bushing, etc., same as 106C.										
49352	106CC	.....	.....	.....	440	CF	8319	200	22	20.00
Steel cover, raised center, ⅜ inch high, with two ⅜-inch insulating bushings for drop cords.										
020343	106D	74	FB	6293	534	CLL	8303	200	21	10.00
Steel cover, raised center, with opening 1½ inches, screws on 1½-inch centers; 6-32 screws; takes Bryant receptacle No. 1508; G. E. receptacles Nos. 50748, 50747, 60018, 60019, 65964, 65965, GE009, 66722; P & S No. 290; Paiste Nos. 60018, 60019; Bryant snap switches Nos. 2170, 2254, 2175.										
020344	106DH	74A	.....	.....	7H	CFF	8304	200	20	10.00
Steel cover, raised center, 1½-inch opening, screws on 1½-inch centers, tapped 6-32 for Hubbell flush receptacles Nos. 5506, 5507 and 5508.										
020345	106E	48B	FC	6252PB	7R	CVZ	8305	200	20	50.00
Brass cover, depressed, 1½-inch opening, for G. E., Bryant and Paiste receptacles No. 9397.										
020346	106F	49B	FD	.....	7S	CVWZ	8306	200	26	54.00
Brass cover, lapped, depressed, 1½-inch opening for G. E., Bryant and Paiste receptacles No. 9397.										
020347	106G	48BS	FE	6251	510	CV	8307	200	20	10.00
Steel cover, depressed, 1½-inch opening for G. E., Bryant and Paiste receptacles No. 9397.										
020348	106H	49BS	FF	.....	.....	CVW	8308	200	26	10.00
Steel cover, lapped, depressed, 1½-inch opening, for G.E., Bryant and Paiste receptacles No. 9397.										
020349	106I	82	FK	6261	7L	CY	8309	200	17	10.00
Steel cover, flat, 1½-inch opening, screw holes on 1½-inch centers, tapped 6-32; takes P & S and Arrow E receptacles Nos. 61777, 61977, 54; G. E. Nos. GE000, 60931; Bryant Nos. 61777, 40488, 4063; Paiste Nos. 46749, 61777.										
020350	106J	82B	FL	6262PB	517	CYZ	8310	200	16½	50.00
Brass cover, flat, 1½-inch opening; takes same receptacles as 106I.										
020351	106K	58	FN	6255PB	7N	CTZ	8315	200	17½	50.00
Brass cover, raised center, ⅜ inch high, 1½-inch opening for Federal receptacles.										
020352	106L	58S	FP	6255	513	CT	8316	200	22	10.00
Steel cover, raised center, ⅜ inch high, 1½-inch opening for Federal receptacles.										
020353	106M	79	FQ	6263	518	CJ	8317	200	16	12.00
Steel cover, flat, for 5 and 10-ampere snap switches and wall receptacles; fastened to cover by two machine screws and nuts; slots in cover give range of centers from ⅞ to 1½ inches.										

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OUTLET BOXES AND COVERS

COVERS FOR 3/4-INCH ROUND AND OCTAGON RECEPTACLE BOXES

Nos. 106N and
106NS

No. 106O



No. 106P



No. 106A



No. 106R



No. 106RK



No. 106RL

Nos. 106S and
106SB

No. 106TM



No. 106TF



No. 106UM



No. 106UF

Nos. 106W and
106WB

No. 107



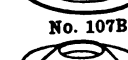
No. 107A



No. 107B



No. 107C



No. 107D

Trade No.	Mfrs. No.						Std. Wt., Lbs. Pkg. per 100	Price per 100
	Union	Bossert	Pratt	Chuck	Sprague	T. & B.		
020354	106N	59	F0	.....	70	CTWZ	.....	200 24 \$54.00
Brass cover, raised center, 3/8 inch high, lapped, 1 1/4-inch opening for Federal receptacles.								
020355	106NS	59S	.....	.....	.....	CTW	8314	200 24 10.00
Steel cover, raised center, 3/8 inch high, lapped, 1 1/4-inch opening for Federal receptacles.								
020356	106O	.....	.....	6259	515	CDD	8318	200 16 1/2 10.00
Steel cover, flat, 1 1/2-inch opening, screws on 1 1/4-inch centers for Benjamin receptacles Nos. 6, 6B, 6C, 6D and 6T.								
020357	106P	51	FH	6257	514	CH	8311	200 19 10.00
Steel cover, raised center, 1 1/2-inch opening, 3/8 inch high, for P & S Nos. 61577, 61578, 61988, 61877, 102703, 102704, 436, 427, 437, 439; G. E. Nos. GE267, GE269, GE118, GE153, GE001, GE079, GE060; Bryant Nos. 61988, 4035, 4036, 4023, 4003, 59108; Paiste Nos. 61988, 47566, 59439; Arrow E Nos. 427, 439, 4003, 59108, 61577, 61877 and 61988.								
020358	106Q	.....	.....	.....	7Q	CHZ	8312	200 20 1/2 50.00
Brass cover, raised center, 1 1/2-inch opening, 3/8 inch high; takes same receptacles as 106P.								
49371	106R	.....	.....	6276	531	CA	8301A	200 20 9.00
Steel cover, flat, closed.								
49372	106RK	.....	.....	6278	532	CGG	8320	200 20 10.00
Steel cover, flat, with 1/2-inch knock-out in center.								
49373	106RL	.....	.....	.....	.....	CHH	8321	200 23 10.00
Steel cover, raised center, 3/8 inch high, with 1/2-inch knock-out in center.								
49374	106S	.....	.....	6258	.....	.....	8318	200 15 10.00
Steel cover, flat, 1 3/4-inch opening, screw holes tapped 3/8 on 2 1/8-inch centers; for Bryant and Arrow E No. 59107; G. E. Nos. GE071, GE072.								
49375	106SB	.....	.....	.....	.....	.....	200 15	50.00
Brass cover, flat, 1 3/4-inch opening, screw holes tapped 3/8 on 2 1/8-inch centers; for Bryant and Arrow E No. 59107; G. E. Nos. GE071, GE072.								
49376	106TM	.....	.....	6254	519	CM	8322	200 25 16.00
Steel cover, flat, with 1/8-inch brass male nipple.								
49377	106TF	.....	.....	6266	521	CN	8323	200 25 16.00
Steel cover, flat, with 1/8-inch brass female nipple.								
49378	106UM	.....	.....	6268	523	CO	8324	200 26 20.00
Steel cover, flat, with 3/8-inch brass male nipple.								
49379	106UF	.....	.....	6270	526	CP	8325	200 26 20.00
Steel cover, flat, with 3/8-inch brass female nipple.								
49381	106W	.....	.....	.....	.....	.....	200 29 1/2	10.00
Steel cover, flat, for outlet box receptacles P & S New No. 372; screw centers, 2 1/2 inches; hole, 1 5/8 inches.								
49382	106WB	.....	.....	.....	.....	.....	200 29 1/2	50.00
Brass cover, flat, for outlet box receptacles P & S New No. 372; screw centers, 2 1/2 inches; hole, 1 5/8 inches.								

3/4-INCH ROUND AND OCTAGON BOXES

020331	107 Round	17	EA	.....	77	CRI 1/2	3RB	100 59 1/2	30.00
1 5/8 inches deep, for 1/2-inch conduit. Four outlets in sides only; provided with bridge for G. E. and Bryant receptacles Nos. 50746 and 5050.									
49380	107 Octagon	17O	.....	6249	560	YR1 1/2	.....	100 59 1/2	30.00
1 5/8 inches deep, for 1/2-inch conduit. Four outlets in sides only; provided with bridge for G. E. and Bryant receptacles Nos. 50746 and 5050.									

COVERS FOR 3/4-INCH ROUND AND OCTAGON BOXES

020359	107A	49S	EE	.....	7T	CUW	8328	200 24	10.00
Steel cover, lapped, cone-shaped, 1 1/4-inch opening.									
020360	107B	48S	ED	6292	533	CU	8326	200 22	10.00
Steel cover, flush, cone-shaped, 1 1/4-inch opening.									
020361	107C	48	EB	6292PB	7P	CUZ	8325	200 23	50.00
Brass cover, flush, cone-shaped, 1 1/4-inch opening.									
020362	107D	49	EC	.....	7Q	CUWZ	8327	200 25	54.00
Brass cover, lapped, cone-shaped, 1 1/4-inch opening.									

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OUTLET BOXES AND COVERS

SHALLOW CEILING CONDUIT BOXES AND PLATES

3¼, 4 and 5½ Inches									
Trade No.	Mfrs. No.					Std. Pkg.	Wt. Lbs. per 100	Price per 100	
	Union	Bossert	Chuck	Sprague	T & B City				
020332	108 Round	18	HA	6221	4 B¾	4CD	200	46½	\$16.00
4 inches in diameter; ¾ inch deep; five knock-outs in bottom for ½ and ¾-inch conduit only.									
020333	108L Round	18E	...	6222	5 BU¾	4CL	200	48	18.00
4 inches in diameter, ¾ inch deep, with lugs; five knock-outs in bottom for ½ and ¾-inch conduit only.									
020334	109 Round	18A	IA	6220	44 B½	4C	200	40	15.00
4 inches in diameter, ½ inch deep; five knock-outs in bottom for ½ and ¾-inch conduit only.									
020335	109L Round	...	...	6219	55 BU½	4CL	200	41½	18.00
4 inches in diameter, ½ inch deep, with lugs; five knock-outs in bottom for ½ and ¾-inch conduit only.									
020336	113	...	...	...	3	3C	200	37½	14.00
3¼ inches in diameter, ¾ inch deep; three knock-outs in bottom for ½-inch conduit only.									
020337	113L	17S	FM	6246	777 C¾	3CL	200	39	18.00
3¼ inches in diameter, ¾ inch deep, with lugs; three knock-outs in bottom for ½-inch conduit only.									
020339	114	...	...	6377	52 B½	4P	200	29½	12.00
4 inches in diameter, plate only; five knock-outs in bottom for ½ and ¾-inch conduit only.									
020338	115	18L	KA	6223	888 P¾	5C	100	85	30.00
5½ inches in diameter, ¾ inch deep; five knock-outs in bottom for ½ and ¾-inch conduit only.									

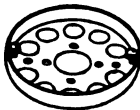
SHALLOW CEILING BOXES AND PLATES FOR NON-METALLIC FLEXIBLE CONDUIT

3¼-inch Plate									
Trade No.	Mfrs. No.	No. of Knock-outs in Bottom		Std. Pkg.	Wt., Lbs. per 100	Price per 100			
		Loom	Conduit						
49041	212	4	..	200	20	\$12.00			
49042	215	8	..	200	22½	12.00			
49043	220	6	2	200	29⅞	12.00			
49044	222	10	..	200	29½	12.00			
49045	225	6	2	200	40	15.00			
49046	227	10	..	200	40	15.00			
49047	228	6	2	200	41½	18.00			

No. 212 furnished with eight knock-outs instead of four when specified.
Center holes in all the above boxes will pass ⅝-inch gas pipe cap.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

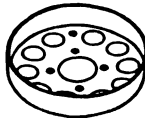
OUTLET BOXES AND COVERS



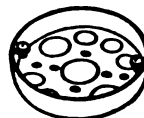
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No. 235



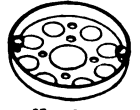
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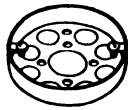
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No. 260



No. 261



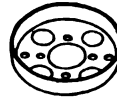
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No. 270



No. 271



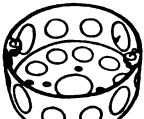
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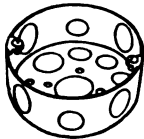
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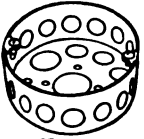
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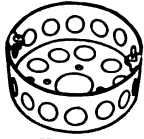
No. 247



No. 250



No. 251



No. 253



No. 274



No. 275



No. 276

SHALLOW CEILING BOXES AND PLATES FOR NON-METALLIC FLEXIBLE CONDUIT

Trade No.	Mfrs. No.	Diam. Inches	Depth Inches	Ears for Cover	No. of Knock-outs in Bottom Loom Conduit	Std. Pkg.	Wt., Lbs. per 100	Price per 100
49048	230	4	1/2	With	10	200	41 1/2	\$18.00
49049	235	4	3/4	Without	6	200	46 1/2	16.00
49050	237	4	3/4	Without	10	200	46 1/2	16.00
49051	238	4	3/4	With	6	200	48	18.00
49052	240	4	3/4	With	10	200	48	18.00
49059	260	3 1/2	1/2	Without	8	200	37 1/2	14.00
49060	261	3 1/2	1/2	With	8	200	39	18.00
49061	262	3 1/2	3/4	Without	8	200	41	14.00
49062	263	3 1/2	3/4	With	8	200	42 1/2	18.00
49063	270	3 1/4	1/2	Without	4	200	35	14.00
49064	271	3 1/4	1/2	With	4	200	36 1/2	18.00
49065	272	3 1/4	3/4	Without	4	200	37 1/2	14.00
49066	273	3 1/4	3/4	With	4	200	39	18.00

DEEP CEILING BOXES AND PLATES FOR NON-METALLIC FLEXIBLE CONDUIT

Trade No.	Mfrs. No.	Diam. Inches	Depth Inches	Ears for Cover	No. of Knock-outs In Bottom Loom Conduit		No. of Knock-outs In Side Loom Conduit		Std. Pkg.	Wt., Lbs. per 100	Price per 100
49053	245	4	1 7/8	With	6	2	4	8	100	70	\$25.00
49054	247	4	1 7/8	With	10	..	4	8	100	70	25.00
49055	248	4	1 7/8	With	6	2	4	4	100	70	25.00
49056	250	4	1 7/8	With	10	..	4	4	100	70	25.00
49057	251	4	1 7/8	With	6	2	..	16	100	70	25.00
49058	253	4	1 7/8	With	10	..	..	16	100	70	25.00
49067	274	3 1/4	1 7/8	With	4	..	4	8	100	49	20.00
49068	275	3 1/4	1 7/8	With	4	..	4	4	100	49	20.00
49069	276	3 1/4	1 7/8	With	4	..	..	12	100	49	20.00

Nos. 270, 271, 272 and 273 can be furnished with eight knock-outs instead of four when so specified.

All outlet boxes for non-metallic flexible conduit are provided with holes for supporting fixture studs. Have ample room for making splices and joints. Boxes fitted with ears will take all standard outlet box covers of same diameter as listed on previous pages. Center holes in all the above boxes will pass 3/8-inch gas pipe cap.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OUTLET BOXES AND COVERS

4-INCH ROUND BOXES

Trade No.	MFRS. No.							Std. Pkg.	Wt., Lbs. per 100	Price per 100
	Union	Bossert	Pratt Chuck	Sprague	T. & B.	Steel City	Appleton			
020386	120	600	QA	6399	404	BT1½	4RN	100	88	\$40.00

1½ inches deep, for ½ and ¾-inch conduit; four outlets in sides and four in bottom, except when ¾-inch conduit is used, when bottom outlets are omitted.

020387 130 600A RA 6399 deep 405 BT2½ 4RND 100 50 52.00

2¼ inches deep, for ½ and ¾-inch conduit; four outlets in sides and four in bottom, except when ¾-inch conduit is used, when bottom outlets are omitted.

No. 103A cover listed on a previous page is used with Nos. 120 and 130 boxes.



4-INCH BRACKET BOXES

Trade No.	Mfrs. No.	Description	Wt., Lbs. per 100	Price per 100
062640	112	3½-inch diameter, 2 inches deep; 4 outlets in bottom, one on round edge, two in flat side, drilled for fixture stems, for ½ and ¾-inch conduits.....	63½	\$25.00

Box No. 112 is particularly suitable for bracket work where it is desirable to have one feed and two tap pipes.



COVERS FOR 4-INCH BRACKET BOXES

062641	112A	Steel, open cover, flat, size of opening 1¾ inches.....	18¼	12.00
062642	112B	Steel cover, closed, flat.....	24	12.00



MIDGET RECEPTACLE BOXES

For Hubbell and Bryant Flush Receptacles

Trade No.	Mfrs. No.	Diameter Inches	Depth Inches	Wt., Lbs. per 100	Price Each
062643	200	2¼	2	39	\$0.28

These boxes have four knock-outs in sides, two in bottom; size of knock-outs, ⅝ inch diameter for ¼ and ⅜-inch flexible non-metallic conduit, or when specified, will be furnished with one ½-inch knock-out in bottom for connecting bushing for flexible metallic conduit.

Designed particularly for old work, and when above receptacles are used for new work box No. 106 with special covers, listed on another page, is recommended.

No. 200 box has the ears normally set to take Hubbell receptacles and by reversing ears may be made to take Bryant's Jr. Floor Receptacle No. 1508 and Flush Receptacle, also Hubbell Receptacles Nos. 5506, 5507, 5508.

When specified, this box will be equipped with M ear, so that any ring receptacle under 2 inches diameter may be attached to a brass or ornamental cover.



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 103X Ring

No. 105X
Ring with Plate and Cover

No. 104OD Box

Showing Box
before being Assembled

OUTLET BOXES AND COVERS

4-INCH EXTENSION RINGS FOR CONCRETE WORK

Originally designed as an extension to any 4-inch round box where it is desirable or necessary to have a deeper box and is also suitable for bracket work, in partitions where wall fixtures are located at similar points on either side of wall.

These rings may be extended indefinitely by building one on top of the other, will take all the standard covers which will enable the use of any ordinary conduit receptacle and switch.

The construction of this ring is similar to No. 105 Box with bottom taken out and lugs provided for fastening them to other outlet boxes. This ring is particularly convenient in connection with tile or concrete work, where extra deep boxes are necessary. Provided with four knock-outs in side for $\frac{1}{2}$ or $\frac{3}{4}$ -inch conduit and can be furnished enamelled or sherardized.

No. 105X ring is used principally in re-enforced concrete construction, being arranged so that the standard covers or flat ceiling plates may be mounted on either side. It is similar to the No. 103X ring except that one side is provided with an additional pair of ears, tapped and fitted with screws. By this arrangement conduit may be run into the box after it is fastened to the form, by means of nails through the lower ears. After the bushings are put on the conduit, the top plate or cover is mounted as on an ordinary outlet box. If a future stud or receptacle is to be mounted in the box it may be assembled with the plate before the latter is attached to the ring.

When the No. 105OX ring is used the cover or plate protrudes beyond the edge of the ring, thus furnishing additional anchorage for the box.

The prices given below are for rings only and do not include cover or plate. For standard 4-inch covers and No. 114 flat plate.

Trade No.	Mfrs. No.	Style	Diam. Inches	Depth Inches	No. of $\frac{1}{2}$ or $\frac{3}{4}$ in. Knockouts	Price per 100
49026	103X	Round	4	1 $\frac{5}{8}$	4	\$25.00
49028	103OX	Octagon	4	1 $\frac{5}{8}$	4	25.00
49029	105X	Round	4	1 $\frac{5}{8}$	4	30.00
49030	105OX	Octagon	4	1 $\frac{5}{8}$	4	30.00
49031	105X Deep	Round	4	2 $\frac{1}{4}$	4	42.00
49032	105OX Deep	Octagon	4	2 $\frac{1}{4}$	4	42.00
49033	Extension plate for above rings					12.00

OCTAGON BOXES FOR CONCRETE WORK

The No. 104OD box is a solid drawn box 3 $\frac{1}{2}$ inches deep and was designed for use in concrete work where the extension rings listed are not suitable. The conduit knock-outs are located near the bottom, thus giving ample clearance between conduit and finished surface. Takes all standard 4-inch covers and may be extended to a greater depth by using the 103OX ring. Made for $\frac{1}{2}$ or $\frac{3}{4}$ -inch conduit, in octagon form only.

Trade No.	Mfrs. No.	Description	Price per 100
49034	104OD	Octagon, 4-inch diameter, 3 $\frac{1}{2}$ inches deep; four $\frac{1}{2}$ or $\frac{3}{4}$ -inch knock-outs in sides, one in bottom	\$60.00

4-INCH RINGS AND BACK PLATES FOR CONCRETE WORK

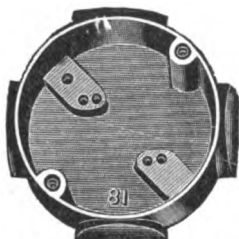
Stamped steel outlet boxes with removable back with specially designed ears through which nails may be driven into wood form to hold box securely in place. The conduit knock-outs are located near the bottom, thus giving ample clearance between conduit and finished surface.

The Union way to install the box is to remove knock-outs, take off back or bottom cover and nail box to form. The box is then ready for the conduit. After the conduit has been installed the back or cover is then put on and locked securely by tightening the two screws.

Trade No.	Mfrs. No.	Depth Inches	Diam. Inches	Supporting Screws Centered Inches	Price per 100
49035	202	2	4	3 $\frac{1}{2}$	\$30.00
49036	203	3	4	3 $\frac{1}{2}$	40.00
49037	203 $\frac{1}{2}$	3 $\frac{1}{2}$	4	3 $\frac{1}{2}$	45.00
49038	204	4	4	3 $\frac{1}{2}$	50.00
49039	205	5	4	3 $\frac{1}{2}$	60.00
49040	206	6	4	3 $\frac{1}{2}$	70.00

Any standard 4-inch round box cover will fit above boxes.

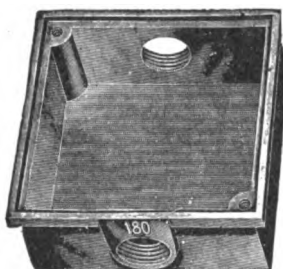
T & B CAST IRON BOXES



Round Receptacle Box



Round Weatherproof Box



Square Weatherproof Box



Cast Iron Junction and Pull Box

ROUND RECEPTACLE BOXES

Trade No.	Mfrs. No.	Description	Wt. Lbs. per 100	Price per 100
81081	81	Diam., 3 inches; depth, 1 $\frac{1}{4}$ inches...	79	\$24.00
81082	82	Diam., 3 inches; depth, 1 $\frac{3}{4}$ inches...	156	29.00
81083	83	Diam., 3 inches; depth, 1 $\frac{1}{4}$ in. outside lugs	80	24.00
Covers for Round Receptacle Boxes				
81085	84	Plain	30	6.00
81086	85	1 $\frac{1}{4}$ -inch lipped hole	21	6.00
81087	86	1 $\frac{1}{4}$ -inch plain hole	21	6.00
81084	87	Drilled and tapped, 1 $\frac{1}{2}$ or 1 $\frac{3}{4}$ -in. centers	25	9.00
81089	88	1 $\frac{5}{8}$ -inch plain hole	15	6.00
81088	89	$\frac{5}{8}$ -inch lipped hole, with boss	31	9.00

ROUND WEATHERPROOF BOXES

81061	170	Diam., 3 $\frac{1}{2}$ inches; depth, 1 $\frac{1}{4}$ inches.	135	24.00
81062	171	Diam., 3 $\frac{1}{2}$ inches; depth, 1 $\frac{1}{2}$ inches.	129	29.00
81063	172	Diam., 3 $\frac{1}{2}$ inches; depth, 3 inches.	190	51.00

Covers for Round Weatherproof Boxes

81067	173	Plain	40	8.00
81068	174	Plain, drilled and tapped, $\frac{3}{8}$, $\frac{1}{2}$ or $\frac{3}{4}$ -inch	31	15.00

SQUARE WEATHERPROOF BOXES

81064	180	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ inches; depth, 1 $\frac{1}{4}$ inches.	130	24.00
81065	190	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ inches; depth, 1 $\frac{1}{2}$ inches.	190	29.00
81066	191	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ inches; depth, 2 $\frac{1}{2}$ inches.	350	47.00

Covers for Square Weatherproof Boxes

81069	181	Plain	43	8.00
81070	182	Plain, drilled and tapped, $\frac{3}{8}$ inch	36	11.00
81072	184	Plain, drilled and tapped, $\frac{1}{2}$ or $\frac{3}{4}$ in.	78	15.00
81073	187	1 $\frac{1}{2}$ -inch plain hole in center	30	8.00
81075	188	Rotary switch cover	61	13.00
81077	189	Plug receptacle cover	60	12.00
109701	192	Flat switch cover	53	12.00
109702	193	Bracket outlet cover	33	8.00

Drilling and tapping $\frac{1}{2}$ or $\frac{3}{4}$ -inch holes in above boxes, net, 6 cents each. Drilling only, net, 3 cents each.

CAST IRON JUNCTION AND PULL BOXES

Flanged Boxes with Covers

Dimensions Inches	Trade No.	Price Each	Dimensions Inches	Trade No.	Price Each
4 x 4 x 3	067643	\$1.05	8x 8x 4	067651	\$3.40
6 x 5 x 3	067644	1.75	12x 6x 4	067652	4.00
8 x 4 x 3	067645	1.80	12x12x 4	067653	6.75
6 x 6 x 3	069006	1.90	8x 8x 6	067654	3.80
8 x 6 x 3	067646	2.50	12x 6x 6	067655	5.75
8 x 8 x 3	067647	2.80	12x12x 6	067656	8.50
12 x 6 x 3	067648	3.40	18x14x 6	067685	16.30
12 x12 x 3	067649	5.65	10x10x 8	067686	8.00
6 x 6 x 4	069005	2.00	24x 9x 8	109703	17.00
8 x 6 x 4	067650	2.80			

Unflanged Boxes with Covers

6 x 4 x1 $\frac{1}{2}$	067688	.75	18x 6x 3 $\frac{1}{2}$	067676	4.45
10 $\frac{1}{4}$ x 2 $\frac{3}{4}$ x1 $\frac{3}{4}$	067689	1.50	28x24x 3 $\frac{1}{2}$	067677	23.00
9 $\frac{5}{8}$ x 3 $\frac{1}{2}$ x1 $\frac{1}{4}$	067690	1.50	6x 6x 4	81080	1.65
3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x2	067691	.50	8x 6x 4	067678	2.30
4 x 4 x2	067692	.65	9x 6x 4	067679	3.20
6 x 3 x2	067693	.70	10x 6x 4	067680	3.25
6 x 4 x2	067694	.75	8x 8x 4	067681	3.10
10 x 5 x2 $\frac{1}{2}$	067695	2.50	12x12x 4	067682	6.50
4 x 4 x3	067696	.75	15x 7x 4 $\frac{1}{2}$	067683	5.40
5 x 5 x3	067697	1.00	18x12x 5	067684	13.80
6 x 5 x3	067698	1.20	8x 6x 6	069001	3.50
8 x 6 x3	067671	2.25	12x 6x 6	069002	5.10
7 x 5 x3	067672	1.65	24x16x 8	069003	24.00
7 x 7 x3	067673	2.25	14x14x10	109704	18.00
12 x 6 x3	067674	3.00			

Drilling and tapping charged extra.

All the above boxes and covers are furnished japanned, but can be galvanized at slightly increased cost, if desired.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NON-ADJUSTABLE PATTERSON FLOOR OUTLET BOXES

LICENSED UNDER FOUNTAIN CORP. PATENTS
NATIONAL ELECTRICAL CODE STANDARD



No. 3000
with 10-ampere, 250-volt
Receptacle and Plug



No. 3000B
with Blank Bronze Plate



No. 3000BN
with Double Outlet Nozzle

Patterson Non-adjustable Floor Outlet Boxes listed below are designed for wood floor work and for work where it is unnecessary to have the plates of the boxes adjustable.

Patterson Floor Boxes shown on this page are double gasketed throughout, thoroughly waterproof; all parts, except floor box itself, are heavy cast bronze; the box is galvanized iron.

In No. 3000 standard 10-ampere receptacles are provided with brass covered plugs. With other floor boxes on this page, receptacles and plugs cannot be used.

Iron floor boxes are regularly drilled and tapped for four $\frac{1}{2}$ -inch conduit entrances, two in sides and two in bottom, adapting them to flexible or rigid conduit work without extra drilling. They will be furnished, when ordered, with any special arrangement of conduit entrances desired. Removable plugs are furnished closing all but one outlet.

Cardboard shims are furnished with each box and with these shims bronze plate can be easily brought flush with the floor without taking extreme care in cutting; the setting of a Patterson Floor Box is thus made quicker and easier than any floor box on the market.

Receptacles may be removed from box for easy wiring by simply loosening two screws.

Rubber gasket fits into undercut of bronze plate, so that it does not easily fall out.

Patterson Floor Outlet Boxes shown on this page may be set with an expansion bit, guaranteeing rapid work.

FLOOR BOXES WITH OUTLET NOZZLE AND FLUSH DISC

Furnished Complete with 10-ampere, 250-volt Receptacle and Plug

Trade No.	Mfrs. No.	Diam. Bronze Plate, In.	Depth Over All, In.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
021481	3000	3 $\frac{1}{8}$	3 $\frac{3}{8}$	25	95	\$4.00
Parts for No. 3000 Boxes						
51822	3001	Iron box only, with three iron plugs .....				.85
51823	3002	Large cast brass flange for No. 3000 box.....				1.50
51824	3004	Cast brass outlet nozzle				1.25
51825	3005	Flush brass disc for flange.....				.75
51826	3006	Large rubber gasket .....				.20
51827	3007	Small rubber gasket .....				.10
51828	3008	Porcelain receptacle and supporting strap .....				.90

FLOOR BOXES WITH BLANK BRONZE PLATES

Receptacles and Plugs cannot be Used in These Boxes

021483	3000B	3 $\frac{1}{8}$	3 $\frac{3}{8}$	25	86	3.00
Parts for No. 3000B Boxes						
51829	3009	Iron box only with three iron plugs .....				.85
51830	3010	Large cast brass flange with $\frac{1}{2}$ -inch plug in center..				2.25
Other parts same as for No. 3000.						

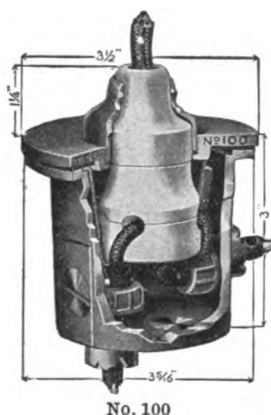
FLOOR BOXES WITH DOUBLE OUTLET NOZZLES

Receptacles and Plugs cannot be Used in These Boxes

021485	3000BN	3 $\frac{1}{8}$	3 $\frac{3}{8}$	25	92	4.00
Parts for No. 3000BN Boxes						
51831	3014	Iron box only with three iron plugs .....				.85
51832	3015	Large cast brass flange for 3000BN box.....				2.25
51833	3017	Cast brass double outlet nozzle				1.50
Other parts same as for No. 3000.						

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

T & B FLOOR BOXES



No. 100, FLOOR BOXES

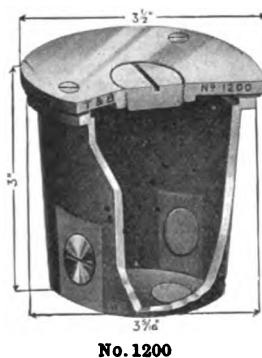
Approved by National Board. Just the right size for private house work. Hot galvanized; no rubber bushings to break; no hard taps required for wiring; no screws to hold strap in place; absolutely watertight.

Trade No.	Mfrs. No.	Description	Price Each
135518	101	Iron box with three plugs.....	\$0.85
135519	102	Brass cover.....	1.50
135520	103	Brass disc for cover.....	.75
053793	104	Brass nozzle.....	1.25
053794	105	Receptacle and supporting strap..	.90
135521	107	Large rubber gasket.....	.20
135522	108	Small rubber gasket.....	.10
053795	100	Box complete, as illustrated.....	4.00

Weight of complete box, 2 1/2 pounds.

No. 1200, FLOOR BOXES

For telephone and electric light outlets. Hot galvanized. Absolutely watertight.

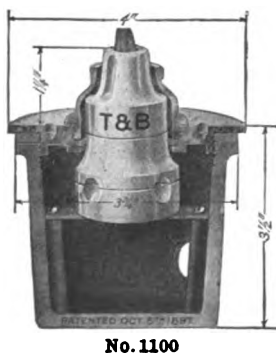


Trade No.	Mfrs. No.	Description	Price Each
135523	1201	Iron box with three plugs.....	\$0.85
135524	1202	Brass cover with 1/2-inch removable plug.....	2.25
135525	1200	Box complete, as illustrated.....	3.00

Weight of complete box, 1 3/4 pounds.

No. 1100, WATERTIGHT FLOOR BOXES

Takes from 1/2-inch to 1-inch conduit with receptacle in place. Receptacle can be taken out without removing any screws. No hard taps required; no rubber bushings to break. Specify number, size and location of holes.



Trade No.	Mfrs. No.	Description	Price Each
135526	1101	Iron box.....	\$1.10
135527	1102	Brass cover.....	1.75
135528	1103	Brass disc for cover.....	.75
053787	1104	Brass nozzle.....	1.50
053788	1105	Receptacle and supporting strap..	.90
135529	1107	Large rubber gasket.....	.20
135530	1108	Small rubber gasket.....	.10
053790	1106	Brass cover with 1/2-inch removable plug.....	2.50
053789	1100	Box complete, as illustrated.....	5.00

Weight of complete box, 3 3/4 pounds.

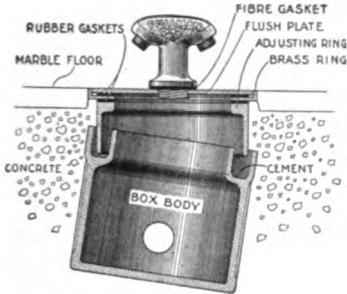
The above are packed in a neat, strong box, clearly marked to show contents.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

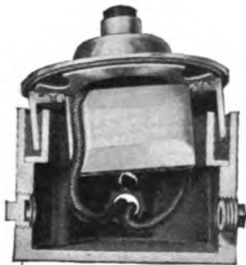
FULLMAN FLOOR OUTLETS

PATENTED

NATIONAL ELECTRICAL CODE STANDARD
ADJUSTABLE TYPES



TOP OF FLOOR ARCH
Nos. 400, 413 and 465



No. 401
Shown in Section with
No. 466



No. 421 Box and No. 466



Nos. 413 and 440



No. 465



No. 466

Fullman Adjustable Water-Tight Floor Outlets are the only make that provide for automatic universal adjustment of covers with low cost of installation and permanent protection from leaking or imperfect connection between box body and cover. These outlets provide for vertical, horizontal, rotary and angular tilting adjustment of covers. There are no known conditions of construction work that Fullman Floor Outlets have failed to fulfill. The "ring in the groove" feature is exclusive with Fullman Floor Outlets.

As shown in the illustration, the box body is out of level but cover aligns perfectly with finished floor.

SINGLE OUTLETS

With Round Cover Plates

The complete single outlet consists of box body, sealing cement for groove, iron adjusting ring, rubber gasket, brass cover plate with 1/2 or 2-inch flush brass plug. The 2-inch plug is necessary if receptacle or bell nozzle is used. Receptacles are not included in list prices of adjustable outlets.

The iron adjusting rings are furnished in 1 1/4-inch (standard), 1 7/8, 2 1/2 and 3 1/2-inch depths, thus providing a range of vertical adjustment of about 2 1/2 inches. All rings are furnished with lugs for holding receptacles or No. 475 receptacle straps.

The box bodies are drilled and tapped (standard) with four 1/2-inch conduit holes, three of which are closed with steel screw plugs.

When Special Drilling is Required, a Sketch should accompany the order.

Trade No.	Mfrs. No.	Diam. of Cover Plate Inches	Description	Price Each
035128	400	4 1/4	Outlet complete, with 1/2-in. flush brass plug for No. 465 drip nozzle or 1/2-inch conduit.	\$4.00
035129	401	4 1/4	Outlet complete, with 2-in. flush brass plug for No. 466 Bell nozzle	4.50
035130	420	4 3/4	Outlet complete, with 1/2-in. flush brass plug for No. 465 drip nozzle or 1/2-inch conduit.	4.50
035131	421	4 3/4	Outlet complete, with 2-in. flush brass plug for No. 466 Bell nozzle	5.00

Nozzles not included in above prices.

ACCESSORIES

Brass flange rings, nozzles and receptacle straps are not included in prices of complete adjustable outlets. Brass flange rings are for use in marble and similar fine floors to prevent chipping upon repeated removal of cover plate.

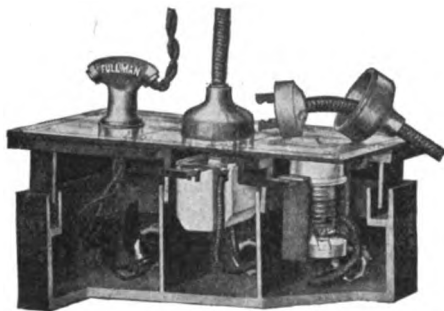
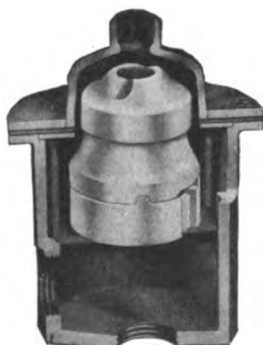
Trade No.	Mfrs. No.	Description	List Price Each
023146	413	Brass flange ring, including rubber gasket, for Nos. 400 or 401 floor outlets. .	\$0.75
023147	440	Brass flange ring, including rubber gasket, for Nos. 420 or 421 floor outlets. .	1.00
023148	465	Drip nozzle. for Nos. 400 or 420 outlets, also for No. 458 cover plates for gang outlets	1.00
023149	466	Bell nozzle, for Nos. 401 or 421 outlets, also for No. 459 cover plates for gang outlets	1.00
096847	475	Receptacle strap, for Nos. 401 or 421 outlets, also for sections of gang outlets when required.....	.40

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FULLMAN FLOOR OUTLETS

PATENTED

NATIONAL ELECTRICAL CODE STANDARD

Three-gang Outlet
Sectional ViewNo. 477
Floor OutletNo. 477
Floor Outlet
Sectional View

GANG FLOOR OUTLETS

Fullman Gang Adjustable Floor Outlets are for supplying a variety of electric service from one point. They are neater in appearance and can be installed quicker than separate outlets placed near each other. Cover plates are interchangeable and are adapted for No. 465 or No. 466 nozzles, as desired. Brass edge frame extends around all the cover plates to protect marble or similar flooring. Each section of adjusting frame is provided with lugs for receptacles or No. 475 receptacle straps if required.

NOTE.—To simplify the listing of gang outlets, the No. 458 and No. 459 cover plates are omitted from prices of complete gang outlets. Order cover plates separately—one for each section.

Trade No.	Mfrs. No.	No. of Gangs	SIZE OF COVER, INCHES		Price Each
			Width	Length	
95921	442	2	5½	7	\$ 8.08
95922	443	3	5½	10	12.12
95923	444	4	5½	13	16.16
95924	445	5	5½	16	20.20
95925	446	6	5½	19	24.24

BRASS COVER PLATES

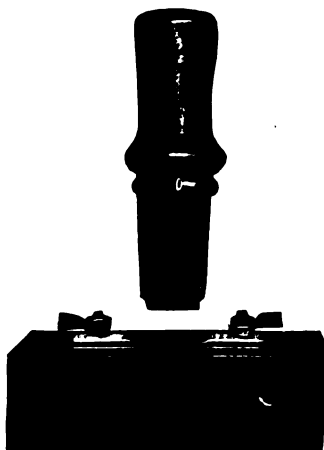
Trade No.	Mfrs. No.	Description	Price Each
95926	458	Brass cover plate, with ½-inch flush brass plug for No. 466 nozzle or ½-inch conduit. For only one section of gang outlet	\$0.96
95927	459	Brass cover plate, with 2-inch flush brass plug for No. 466 nozzle. For only one section of gang outlet	1.46

NON-ADJUSTABLE FLOOR OUTLETS

Trade No.	Mfrs. No.	Description	Price Each
023151	477	Complete floor outlet, 3½ inches round, consisting of box body, porcelain plug and receptacle, flat steel ring, rubber gasket, brass cover plate, flush brass plug and bell nozzle	\$4.00
023152	478	Porcelain plug and receptacle only	1.00
023153	479	Brass bell nozzle only	1.00
023154	480	Brass flush plug only .....	.35
95932	490	Floor or wall junction outlet box consisting of box body, rubber gasket and brass cover plate with ½-inch flush plug	3.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

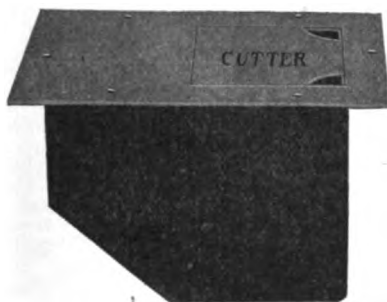
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



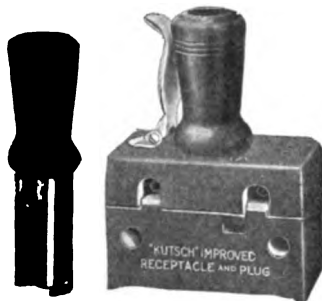
Two-pole Plug and Receptacle



Wall Box



Floor Box



Kutsch Plug and Receptacle

CUTTER PLUGS AND RECEPTACLES

The plugs are used wherever a plug connection is desired. They are largely used in connecting portable motors, electrically-driven tools and charging automobiles.

TWO-POLE PLUGS AND RECEPTACLES

50 Amperes, 125 Volts

Trade No.	Description	Std. Pkg.	Wt., Lbs. Boxed	Price Each
22914	Plug and receptacle.....	15	5	\$3.50
22915	Plug only.....	15	2	1.25
22916	Receptacle only.....	15	3	2.25

50 Amperes, 250 Volts

22917	Plug and receptacle.....	10	5	6.00
22918	Plug only.....	10	2	2.50
22919	Receptacle only.....	10	3	3.50

100-ampere plugs spaced for 250 volts only. For prices add 25 per cent to the 50-ampere, 250-volt list.

THREE-POLE PLUGS AND RECEPTACLES

50 Amperes, 250 Volts, A. C. or D. C.

Trade No.	Description	Std. Pkg.	Wt., Lbs. Boxed	Price Each
22920	Plug and receptacle.....	10	15	\$11.00
22921	Plug only.....	10	3	4.00
22922	Receptacle only.....	10	12	7.00

For four-pole plugs and receptacles add 25 per cent to the above three-pole list. The three-pole plugs and receptacles are made in 100-ampere capacity, 250 volts, and the 50-ampere plugs for potentials as high as 600 volts. Prices quoted on application.

WALL BOXES FOR PLUGS AND RECEPTACLES

Trade No.	Description	Std. Pkg.	Wt., Lbs. Boxed	Price Each
22923	For two-pole receptacles...	10	10	\$2.25
30200	Box only for three and four-pole plug receptacles...	10	20	3.50

FLOOR BOXES FOR TWO PLUGS

These boxes are substantially made of sheet steel with open bottom and can be made to receive four plugs if desired.

Trade No.	Description	Std. Pkg.	Wt., Lbs. Boxed	Price Each
22924	Box only, with cast iron cover.....	10	30	\$4.75
22925	Box only, with boiler plate cover.....	10	30	8.00

KUTSCH PLUGS AND RECEPTACLES

These plugs and receptacles can be used in open, molding and conduit work, without an iron box, excepting in stage work where any receptacle must be placed in an iron box. They are for use in theaters, electric automobiles, storage batteries, moving picture machines, or any kind of work where considerable current is used.

50 Amperes, 125 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
33062	801K	Plug and receptacle.....	10	\$5.00
33063	803K	Plug only.....	10	2.00
33064	802K	Receptacle only.....	10	3.00

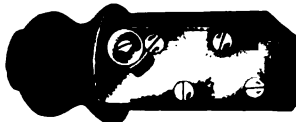
STAGE RECEPTACLES



No. 3655



No. 3655



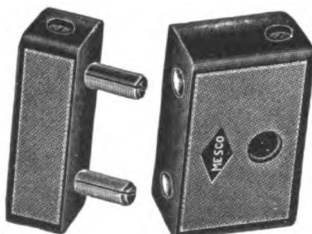
No. 3657



No. 6536



No. 6535



No. 6540

CUSHING STAGE POCKETS AND PLUGS

These pockets, conforming to the latest Underwriters' rules, are fireproof and unfused. They are made suitable for carrying a current of 50 amperes at 125 volts, but if so desired can be used on 250 volts. All current-carrying parts are mounted on slate securely clamped in the box and are in a separate closed compartment. If desired, this slate base can be readily removed from the box after the pocket is installed by merely taking out two screws.

The section of the box which is open from the top has a clear passage through to prevent the accumulation of dirt. The bottom of the compartment enclosing the live metal parts is drilled for $\frac{3}{4}$ -inch conduit. The lid of the box is so arranged that it cannot be left open. Notches are provided in the frame to allow the cable to pass through without danger of being injured when the lid is closed.

The pockets are made for two-wire circuits.

The plug is made of boxwood and is especially designed to withstand the rough usage of stage work. Being so shaped that it can enter the pocket but one way, it prevents the polarity being changed when used for D. C. arc lighting.

The handle of the plug is so recessed that a knot in the twin cord is securely held in place by a fibre bushing, thus preventing any strain on the wire terminals when plug is forcibly removed from pocket.

Trade No.	Mfrs. No.	Style Gangs Pocket	Price Each
042571	3655	1	\$13.00
042572	3656	2	20.00
042573	3680	3	30.00
042574	3681	4	40.00
042575	3682	5	50.00
042576	3657	Plug only	3.00

STAGE CONNECTORS

Small Size

It will be found invaluable by demonstrators of electrical experiments, on the lecture platform, laboratories, etc.

Trade No.	Mfrs. No.	Amperes	Size Inches	Price Each
042568	6536	10	$1\frac{7}{8} \times 1\frac{1}{4} \times \frac{7}{16}$	\$0.50

Medium Size

For connecting portables, fans, small motors, etc., it will be found very convenient, its simplicity recommending it for such purposes.

It is provided with two eye screws, one at each end, which can be used for anchoring the cord should it be deemed advisable to do so. Can also be looped together by this means, so that when separated the two parts, being close together, can be located and connected without delay.

042569	6535	15	$1\frac{7}{8} \times 1\frac{1}{4} \times \frac{3}{4}$.60
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Large Size

These connectors are very convenient for connections which have to be made and unmade frequently and rapidly. Therefore, they are well adapted for theatrical work, for storage battery connections in electrical vehicles, for trailer-light couplings on electric railways, and for large chandeliers in churches and theaters.

042570	6540	25	$2\frac{1}{8} \times 1\frac{7}{8} \times \frac{3}{4}$.80
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DELTA-STAR RECEPTACLES AND PLUGS

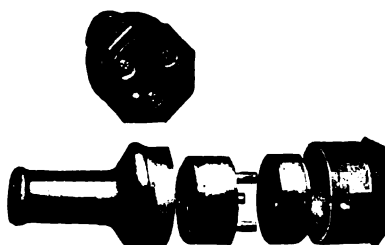
FOR INDUSTRIAL MOTOR SERVICE

TYPE J. I., 3-PHASE, 600-VOLT RECEPTACLES AND PLUGS

Patented



3-phase Receptacle and Plug



3-phase Plug

Molded insulating units form barriers between phases of both plugs and receptacles; easily and quickly wired.

CONSTRUCTION.—The case is cast iron baked black enamel finish. There are no sealed-in screws to become loose or ground on case. All parts screw together and are held securely in position by the interchangeable molded insulating units. All contacts are easily and quickly removed. Designed for either open or conduit work. Hinged cover automatically closes upon removal of plug.

APPLICATIONS.—For 3-phase motor circuits in industrial plants, railroad shops, portable substations, central station service, electrically-driven hoisting plants, mines and all installations where an exceptionally robust or durable equipment is necessary.

RECEPTACLES

Trade No.	Mfrs. No.	Capacity Amperes	No of Fingers	Price Each
95046	2277	60	3	\$12.00
95047	2351	60	2	10.00
95048	2353	100	3	18.00
95049	2355	100	2	16.00
95050	2357	200	3	40.00
95051	2359	200	2	37.00
95052	2361	400	3	60.00
95053	2363	400	2	56.00
95054	2365	600	3	80.00
95055	2367	600	2	74.00

PLUGS

Trade No.	Mfrs. No.	Capacity Amperes	No of Fingers	Price Each
95056	2278	60	3	7.00
95057	2352	60	2	6.00
95058	2354	100	3	10.00
95059	2356	100	2	9.00
95060	2358	200	3	24.00
95061	2360	200	2	21.00
95062	2362	400	3	36.00
95063	2364	400	2	32.00
95064	2366	600	3	48.00
95065	2368	600	2	42.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

APPLETON WATTMETER BOXES

1 to 30 Amperes only

Inside of each box is a porcelain block, upon which is mounted five brass terminals. The feed wires enter the box through conduit, and on the opposite side of block are five holes which lead to the wattmeter. This side of the box is closed by a steel plate and sealed until the lighting company wishes to connect with the current. The cover as well as the steel plate on side of box can be sealed.

These boxes are equipped so that the electrical contractor can attach his wires to one end of the terminal.

The list below represents wattmeter boxes complete, with porcelain terminal block and covers.



Type No. 1



Type No. 2



Type No. 3



Type No. 4R



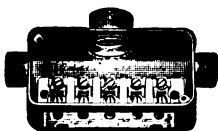
Type No. 4L



Type No. 5R



Type No. 5L



Box Open



Top Cover



Side Cover

Porcelain
Terminal Block

Trade No.	Mfrs. No.	TYPE No. 1 Size, Conduit Inches	Std. Pkg.	Price Each
51161	2600	$\frac{1}{2}$ "	100	\$1.40
51162	2601	$\frac{3}{4}$ "	100	1.50
51163	2602	1"	100	1.60
TYPE No. 2				
51164	2603	$\frac{1}{2}$ "	50	1.50
51165	2604	$\frac{3}{4}$ "	50	1.60
51166	2605	1"	50	1.70
51167	2606	$\frac{3}{4}$ "	50	1.55
51168	2607	1"	50	1.65
51169	2608	1"	50	1.60
51170	2609	$\frac{1}{2}$ "	50	1.55
51171	2618	$\frac{1}{2}$ "	50	1.60
51172	2619	$\frac{3}{4}$ "	50	1.65
TYPE No. 3				
51173	2610	$\frac{1}{2}$ "	25	1.60
51174	2611	$\frac{3}{4}$ "	25	1.70
51175	2612	$\frac{1}{2}$ "	25	1.80
51176	2613	$\frac{3}{4}$ "	25	1.90
51177	2614	$\frac{3}{4}$ "	25	1.85
51178	2615	$\frac{3}{4}$ "	25	1.75
51179	2616	$\frac{3}{4}$ "	25	1.85
51180	2617	1"	25	1.95
TYPE No. 4R				
51181	2620	$\frac{1}{2}$ "	100	1.40
51182	2621	$\frac{3}{4}$ "	100	1.50
51183	2622	1"	100	1.60
TYPE No. 4L				
51184	2625	$\frac{1}{2}$ "	100	1.40
51185	2626	$\frac{3}{4}$ "	100	1.50
51186	2627	1"	100	1.60
TYPE No. 5R				
51187	2630	$\frac{1}{2}$ "	50	1.50
51188	2631	$\frac{3}{4}$ "	50	1.55
51189	2632	1"	50	1.60
51190	2633	1"	50	1.65
51191	2634	$\frac{1}{2}$ "	50	1.55
51192	2635	$\frac{1}{2}$ "	50	1.60
TYPE No. 5L				
51193	2640	$\frac{1}{2}$ "	50	1.50
51194	2641	$\frac{1}{2}$ "	50	1.55
51195	2642	$\frac{1}{2}$ "	50	1.60
51196	2643	$\frac{3}{4}$ "	50	1.65
51197	2644	$\frac{3}{4}$ "	50	1.55
51198	2645	$\frac{3}{4}$ "	50	1.60

PORCELAIN TERMINAL BLOCKS AND METAL COVERS

51199	2690	Top cover	100	.12
51200	2691	Side cover	100	.10
51201	2692	Terminal block	100	.75

Standard package assorted, 100.

Furnished in black enameled or sherardized finish. Black enameled always shipped, unless otherwise specified.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

APPLETON WATTMETER BOXES

31 to 60 Amperes Only—Complete with Porcelain Terminal Blocks and Covers



Type No. 1



Type No. 2



Type No. 3



Type No. 4R



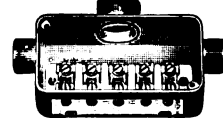
Type No. 4L



Type No. 5R

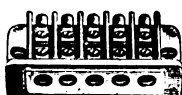


Type No. 5L



Box Open

Three-Wire				Five-Wire				Three-Wire				Five-Wire			
Size Conduit Inches	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each		Size Conduit Inches	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	
1	54354	26000	\$2.40	54394	26100	\$2.50		1	54434	26002	\$2.60	54474	26102	\$2.70	
1 1/2	54355	26001	2.50	54395	26101	2.60		1 1/2	54435	26003	2.90	54475	26103	3.00	
1	54356	26004	2.50	54396	26104	2.60		1 1/2	54436	26012	2.70	54476	26112	2.80	
1 1/2	54357	26005	2.60	54397	26105	2.70		2	54437	26013	3.10	54477	26113	3.20	
1 1/2	54358	26006	2.75	54398	26106	2.85		1 1/2	54438	26014	2.70	54478	26114	2.80	
2	54359	26007	3.20	54399	26107	3.30		1 1/2	54439	26015	3.15	54479	26115	3.25	
1	54360	26008	2.60	54400	26108	2.70		1 1/2	54440	26016	2.70	54480	26116	2.80	
1 1/2	54361	26009	2.70	54401	26109	2.80		2	54441	26017	3.15	54481	26117	3.25	
1	54362	26010	3.10	54402	26110	3.20		1 1/2	54442	26018	3.20	54482	26118	3.30	
1 1/2	54363	26011	2.60	54403	26111	2.70		2	54443	26019	3.20	54483	26119	3.30	
1	54364	26012	2.70	54404	26112	2.80		1 1/2	54444	26030	2.95	54484	26130	3.05	
1 1/2	54365	26013	2.80	54405	26113	2.90		1 1/2	54445	26031	2.95	54485	26131	3.05	
1 1/2	54366	26014	2.95	54406	26114	3.05		1 1/2	54446	26032	3.40	54486	26132	3.50	
2	54367	26015	3.40	54407	26115	3.50		1	54447	26033	2.95	54487	26133	3.05	
1 1/2	54368	26016	2.80	54408	26116	2.90		1 1/2	54448	26034	2.95	54488	26134	3.05	
1 1/2	54369	26017	2.90	54409	26117	3.00		2	54449	26035	3.40	54489	26135	3.50	
1 1/2	54370	26018	3.30	54410	26118	3.40		1 1/2	54450	26036	3.30	54490	26136	3.40	
1	54371	26019	2.80	54411	26119	2.90		1 1/2	54451	26037	3.30	54491	26137	3.40	
1 1/2	54372	26020	2.90	54412	26120	3.00		1 1/2	54452	26038	3.40	54492	26138	3.50	
2	54373	26021	3.30	54413	26121	3.40		1 1/2	54453	26039	3.30	54493	26139	3.40	
1	54374	26040	2.40	54414	26140	2.50		1 1/2	54454	26042	2.60	54494	26142	2.70	
1 1/2	54375	26041	2.50	54415	26141	2.60		2	54455	26043	2.90	54495	26143	3.00	
1	54376	26044	2.40	54416	26144	2.50		1 1/2	54456	26046	2.60	54496	26146	2.70	
1 1/2	54377	26045	2.50	54417	26145	2.60		2	54457	26047	2.90	54497	26147	3.00	
1 1/2	54378	26048	2.50	54418	26148	2.60		1 1/2	54458	26056	2.70	54498	26156	2.80	
1 1/2	54379	26049	2.60	54419	26149	2.70		1 1/2	54459	26057	3.10	54499	26157	3.20	
1 1/2	54380	26050	2.75	54420	26150	2.85		1 1/2	54460	26058	2.70	54500	26158	2.80	
1 1/2	54381	26051	3.20	54421	26151	3.30		1 1/2	54461	26059	3.15	54501	26159	3.25	
1 1/2	54382	26052	2.60	54422	26152	2.70		1 1/2	54462	26060	2.70	54502	26160	2.80	
1 1/2	54383	26053	2.70	54423	26153	2.80		1 1/2	54463	26061	3.15	54503	26161	3.25	
1 1/2	54384	26054	3.10	54424	26154	3.20		1 1/2	54464	26062	3.20	54504	26162	3.30	
1 1/2	54385	26055	2.60	54425	26155	2.70		1 1/2	54465	26063	3.20	54505	26163	3.30	
1	54386	26064	2.50	54426	26164	2.60		1 1/2	54466	26072	2.70	54506	26172	2.80	
1 1/2	54387	26065	2.60	54427	26165	2.70		1 1/2	54467	26073	3.10	54507	26173	3.20	
1 1/2	54388	26066	2.75	54428	26166	2.85		1 1/2	54468	26074	2.70	54508	26174	2.80	
2	54389	26067	3.20	54429	26167	3.30		2	54469	26075	3.15	54509	26175	3.25	
1 1/2	54390	26068	2.60	54430	26168	2.70		1 1/2	54470	26076	2.70	54510	26176	2.80	
1 1/2	54391	26069	2.70	54431	26169	2.80		1 1/2	54471	26077	3.15	54511	26177	3.25	
2	54392	26070	3.10	54432	26170	3.20		2	54472	26078	3.20	54512	26178	3.30	
1 1/2	54393	26071	2.60	54433	26171	2.70		1 1/2	54473	26079	3.20	54513	26179	3.30	



Trade No.	Mfrs. No.	Top cover	Std. Pkg.	Price, Each
54351	2695	Top cover	10	\$0.35
54352	2696	Side cover	10	.20
54353	2697	Porcelain terminal block	10	1.50

Furnished in black enameled or sherardized finish. Black enameled shipped, unless otherwise specified. Standard package, 10 boxes assorted.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

APPLETON WATTMETER BOXES

65 to 100 Amperes Only—Complete, with Porcelain Terminal Blocks and Covers



Type No. 1



Type No. 2



Type No. 3



Type No. 4R



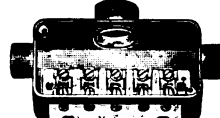
Type No. 4L



Type No. 5R

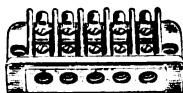


Type No. 5L



Box Open

TYPE No. 1																
Three-Wire				Five-Wire				Three-Wire				Five-Wire				
Size Conduit Inches	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	Size Conduit Inches	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
<u>1</u>	54541	27030	\$2.90	54581	27100	\$3.00	<u>1 1/4</u>	54621	27002	\$3.10	54661	27102	\$3.20			
<u>1 1/4</u>	54542	27001	3.00	54582	27101	3.10	<u>1 1/2</u>	54622	27003	3.40	54662	27103	3.50			
TYPE No. 2																
<u>1</u>	54543	27004	3.00	54583	27104	3.10	<u>1 1/4</u>	54623	27012	3.20	54663	27112	3.30			
<u>1 1/4</u>	54544	27005	3.10	54584	27105	3.20	<u>2</u>	54624	27013	3.60	54664	27113	3.70			
<u>1 1/4</u>	54545	27006	3.25	54585	27106	3.35	<u>1 1/4</u>	54625	27014	3.20	54665	27114	3.30			
<u>2</u>	54546	27007	3.70	54586	27107	3.80	<u>1 1/2</u>	54626	27015	3.65	54666	27115	3.75			
<u>1</u>	54547	27008	3.10	54587	27108	3.20	<u>1 1/4</u>	54627	27016	3.20	54667	27116	3.30			
<u>1 1/4</u>	54548	27009	3.20	54588	27109	3.30	<u>2</u>	54628	27017	3.65	54668	27117	3.75			
<u>1</u>	54549	27010	3.60	54589	27110	3.70	<u>1 1/2</u>	54629	27018	3.70	54669	27118	3.80			
<u>1 1/4</u>	54550	27011	3.10	54590	27111	3.20	<u>2</u>	54630	27019	3.70	54670	27119	3.80			
TYPE No. 3																
<u>1</u>	54551	27020	3.20	54591	27120	3.30	<u>1 1/4</u>	54631	27030	3.45	54671	27130	3.55			
<u>1 1/4</u>	54552	27021	3.30	54592	27121	3.40	<u>1 1/4</u>	54632	27031	3.45	54672	27131	3.55			
<u>1 1/4</u>	54553	27022	3.45	54593	27122	3.55	<u>1 1/2</u>	54633	27032	3.90	54673	27132	4.00			
<u>2</u>	54554	27023	3.90	54594	27123	4.00	<u>1 1/4</u>	54634	27033	3.45	54674	27133	3.55			
<u>1 1/4</u>	54555	27024	3.30	54595	27124	3.40	<u>1 1/4</u>	54635	27034	3.45	54675	27134	3.55			
<u>1 1/4</u>	54556	27025	3.40	54596	27125	3.50	<u>2</u>	54636	27035	3.90	54676	27135	4.00			
<u>1 1/4</u>	54557	27026	3.80	54597	27126	3.90	<u>1 1/2</u>	54637	27036	3.80	54677	27136	3.90			
<u>1 1/4</u>	54558	27027	3.30	54598	27127	3.40	<u>1 1/2</u>	54638	27037	3.80	54678	27137	3.90			
<u>1 1/4</u>	54559	27028	3.40	54599	27128	3.50	<u>1 1/2</u>	54639	27038	3.90	54679	27138	4.00			
<u>2</u>	54560	27029	3.80	54600	27129	3.90	<u>1 1/2</u>	54640	27039	3.80	54680	27139	3.90			
TYPE No. 4R																
<u>1</u>	54561	27040	2.90	54601	27140	3.00	<u>1 1/4</u>	54641	27042	3.10	54681	27142	3.20			
<u>1 1/4</u>	54562	27041	3.00	54602	27141	3.10	<u>2</u>	54642	27043	3.40	54682	27143	3.50			
TYPE No. 4L																
<u>1</u>	54563	27044	2.90	54603	27144	3.00	<u>1 1/4</u>	54643	27046	3.10	54683	27146	3.20			
<u>1 1/4</u>	54564	27045	3.00	54604	27145	3.10	<u>2</u>	54644	27047	3.40	54684	27147	3.50			
TYPE No. 5R																
<u>1</u>	54565	27048	3.00	54605	27148	3.10	<u>1 1/4</u>	54645	27056	3.20	54685	27156	3.30			
<u>1 1/4</u>	54566	27049	3.10	54606	27149	3.20	<u>1 1/2</u>	54646	27057	3.60	54686	27157	3.70			
<u>1 1/4</u>	54567	27050	3.25	54607	27150	3.35	<u>1 1/4</u>	54647	27058	3.20	54687	27158	3.30			
<u>1 1/2</u>	54568	27051	3.70	54608	27151	3.80	<u>1 1/2</u>	54648	27059	3.65	54688	27159	3.75			
<u>1 1/4</u>	54569	27052	3.10	54609	27152	3.20	<u>1 1/4</u>	54649	27060	3.20	54689	27160	3.30			
<u>1 1/4</u>	54570	27053	3.20	54610	27153	3.30	<u>1 1/2</u>	54650	27061	3.65	54690	27161	3.75			
<u>1 1/2</u>	54571	27054	3.60	54611	27154	3.70	<u>1 1/2</u>	54651	27062	3.70	54691	27162	3.80			
<u>1 1/4</u>	54572	27055	3.10	54612	27155	3.20	<u>1 1/2</u>	54652	27063	3.70	54692	27163	3.80			
TYPE No. 5L																
<u>1</u>	54573	27064	3.00	54613	27164	3.10	<u>1 1/4</u>	54653	27072	3.20	54693	27172	3.30			
<u>1 1/4</u>	54574	27065	3.10	54614	27165	3.20	<u>1 1/2</u>	54654	27073	3.60	54694	27173	3.70			
<u>1 1/4</u>	54575	27066	3.25	54615	27166	3.35	<u>1 1/4</u>	54655	27074	3.20	54695	27174	3.30			
<u>2</u>	54576	27067	3.70	54616	27167	3.80	<u>2</u>	54656	27075	3.65	54696	27175	3.75			
<u>1 1/4</u>	54577	27068	3.10	54617	27168	3.20	<u>1 1/4</u>	54657	27076	3.20	54697	27176	3.30			
<u>1 1/4</u>	54578	27069	3.20	54618	27169	3.30	<u>1 1/2</u>	54658	27077	3.65	54698	27177	3.75			
<u>2</u>	54579	27070	3.60	54619	27170	3.70	<u>2</u>	54659	27078	3.70	54699	27178	3.80			
<u>1 1/4</u>	54580	27071	3.10	54620	27171	3.20	<u>1 1/2</u>	54660	27079	3.70	54700	27179	3.80			



Trade No.	Mfrs. No.	Top cover	Std. Pkg.	Price, Each
54351	2695	Top cover	10	\$0.35
54352	2696	Side cover	10	.20
54353	2697	Porcelain terminal block	10	1.50

Furnished in black enameled or sherardized finish. Black enameled always shipped unless otherwise specified. Standard package, 10 boxes assorted.

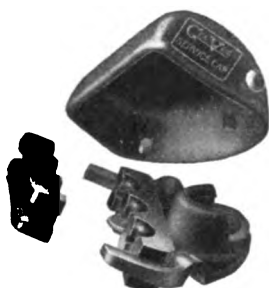
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

GEE VEE CONDUIT CAPS

FORM A CAPS



Form A Cap



Service Cap



Service Cap Installed



Universal Cap on Horizontal or Vertical Pipe



Universal Cap on Vertical Pipe

For capping the ends of conduit inside work. Furnished with 3-hole insulators. Seal furnished to close unused hole if used with but 2-wire. Insulators for $\frac{1}{2}$, $\frac{3}{4}$ and 1 inch sizes are made of approved molded insulation. Insulators above 1 inch in size are made of porcelain. Galvanized finish. A lock nut to screw on the end of conduit and two screws to set up with a screw driver.

Trade No.	Mfrs. No.	Size Inches	Unit Pkg.	Price Each
14233	10012	$\frac{1}{2}$	10	\$0.34
14234	10034	$\frac{3}{4}$	10	.41
14235	10001	1	5	..63
14236	10114	$1\frac{1}{4}$	..	.....
14237	10112	$1\frac{1}{2}$	..	.....
14238	10002	2	..	.....
14239	10212	$2\frac{1}{2}$	..	.....
14240	10003	3	..	.....

If castings only are desired add X to manufacturer's number. If insulators only are desired, add Y to number.

SERVICE CAPS

These Service Caps are galvanized to prevent corrosion, are threaded to the end of the conduit and furnish a separate insulated hole for each wire. Cap can be applied after service is connected up by cutting out reduced section of frame with a hack saw. All insulators are made for 3-wire, seal being furnished to close unused hole when used for 2 wires. Insulators for $\frac{1}{2}$, $\frac{3}{4}$ and 1-inch caps are made of approved molded insulation, insulators for caps above 1 inch being made of porcelain.

Trade No.	Mfrs. No.	Size Inches	Unit Pkg.	Price Each
36861	6012	$\frac{1}{2}$	10	\$0.45
36862	6034	$\frac{3}{4}$	10	.60
36863	6001	1	5	.90
14241	6114	$1\frac{1}{4}$	..	.....
14242	6112	$1\frac{1}{2}$	..	.....
14243	6002	2	..	.....
14244	6212	$2\frac{1}{2}$	..	.....
14245	6003	3	..	.....

UNIVERSAL CAPS

For outside or inside work. They are reversible and can be used on either vertical or horizontal pipe. Especially convenient for heavy work.

All insulators are for three wires and seals are furnished to close unused holes when used for less than three wires. Insulators in two parts and held in place with grooves; no insulator screws to bother. Galvanized finish.

Trade No.	Mfrs. No.	Size Inches	Unit Pkg.	Price Each
36851	3012	$\frac{1}{2}$	5	\$0.65
36852	3034	$\frac{3}{4}$	5	.80
36853	3001	1	5	1.20
36854	3114	$1\frac{1}{4}$	2	1.72
36855	3112	$1\frac{1}{2}$	2	2.00
36856	3002	2	1	2.80
36857	3212	$2\frac{1}{2}$	1	5.12
36858	3003	3	1	5.80
36859	3312	$3\frac{1}{2}$	1	10.60
36860	3004	4	1	12.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDULET BODIES WITH OBOUND OPENINGS

TYPES A, B, BE, C, CO, D, DF, E, F, FE, LB, LBB, LBL, LF, LFB, LFM, LL, LLB, LR, LRB, LU, T, TB, TL, TM, TR, U, UB AND X

Take Obround Covers and Obround Conduletto Fittings, with the Exceptions of Types BE, F, FE, DF and TM Condulet Bodies, which take Obround Covers Only



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Obround covers are listed on pages Cross Reference Nos. CH30, CH31 and CH32. Obround Conduletto fittings are listed on page Cross Reference No. CH184a. Obround gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH20)

TYPES A, B AND BE CONDULET BODIES

WITH OBOURND OPENINGS

Types A and B Condulet Bodies Take Obround Covers and Obround Conduletto Fittings

Type BE Condulet Bodies Take Obround Covers Only

TYPE A CONDULET BODIES—Black Enamel Finish							
Size in inches.....	1/2	3/4	1	1 1/4	1 1/2	2	
Catalogue Number..	A1	A2	A3	A4	A5	A6	
Standard Package..	200	100	50	20	10	5	
Ship. Wt. Std. Pkg..	130 lbs.	95 lbs.	80 lbs.	60 lbs.	40 lbs.	30 lbs.	
List Price, each....	\$.24	\$.31	\$.43	\$.62	\$.80	\$1.66	
Size in inches.....	2 1/2	3	3 1/2	4	5	6	
Catalogue Number..	A7	A8	A9	A10	A012	A014	
Standard Package..	5	5	5	5	5	5	
Ship. Wt. Std. Pkg..	50 lbs.	55 lbs.	65 lbs.	70 lbs.	90 lbs.	100 lbs.	
List Price, each....	\$4.95	\$5.45	\$10.40	\$11.70	\$20.00	\$30.00	

TYPE B CONDULET BODIES—Black Enamel Finish						
Size in inches.....	1/2	3/4	1	1 1/4	1 1/2	
Catalogue Number..	B1	B2	B3	B4	B5	
Standard Package..	200	100	50	20	10	
Ship. Wt. Std. Pkg..	140 lbs.	100 lbs.	80 lbs.	65 lbs.	40 lbs.	
List Price, each....	\$.29	\$.36	\$.50	\$.80	\$1.04	
Size in inches.....	2	2 1/2	3	3 1/2	4	
Catalogue Number..	B6	B7	B8	B9	B10	
Standard Package..	5	5	5	5	5	
Ship. Wt. Std. Pkg..	30 lbs.	50 lbs.	60 lbs.	65 lbs.	70 lbs.	
List Price, each....	\$2.14	\$5.35	\$5.85	\$11.35	\$12.70	

TYPE BE CONDULET BODIES—Black Enamel Finish							
Size in inches.....	1/2	3/4	1	1 1/4	1 1/2	2	
Catalogue Number..	BE1	BE2	BE3	BE4	BE5	BE6	
Standard Package..	200	100	50	20	10	5	
Ship. Wt. Std. Pkg..	390 lbs.	300 lbs.	190 lbs.	120 lbs.	100 lbs.	80 lbs.	
List Price, each....	\$.40	\$.50	\$.85	\$1.30	\$2.00	\$3.50	
Size in inches.....	2 1/2	3	3 1/2	4	5	6	
Catalogue Number..	BE7	BE8	BE9	BE10	BE012	BE014	
Standard Package..	5	5	5	5	5	5	
Ship. Wt. Std. Pkg..	160 lbs.	160 lbs.	225 lbs.	225 lbs.	430 lbs.	430 lbs.	
List Price, each....	\$9.35	\$10.15	\$21.30	\$25.30	\$70.00	\$80.00	

Obround covers and Obround Conduletto fittings of same size are interchangeable on above Condulet bodies of corresponding size, except that type BE Condulet bodies take Obround covers only.

Proper fastening screws are furnished with Obround covers and Obround Conduletto fittings, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Obround covers are listed on pages Cross Reference Nos. CH30, CH31 and CH32. Obround Conduletto fittings are listed on page Cross Reference No. CH184a. Obround gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH21)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES C, CO AND D CONDULET BODIES

WITH OBROUND OPENINGS

Take Obround Covers and Obround Conduletto Fittings

TYPE C CONDULET BODIES—Black Enamel Finish	
Size in inches.	1/2 3/4 1 1 1/4 1 1/2
Catalogue No.	C1 C2 C3 C4 C5
Standard Package.	200 100 50 20 10
Weight Std. Pkg. .	165 lbs. 120 lbs. 90 lbs. 75 lbs. 45 lbs.
List Price, each. .	\$.36 \$.41 \$.59 \$.94 \$1.22
Size in inches.	2 2 1/2 3 3 1/2 4
Catalogue No.	C6 C7 C8 C9 C10
Standard Package.	5 5 5 5 5
Weight Std. Pkg. .	35 lbs. 65 lbs. 70 lbs. 80 lbs. 90 lbs.
List Price, each. .	\$2.43 \$6.25 \$7.40 \$16.70 \$18.30

TYPE CO CONDULET BODIES—Black Enamel Finish	
Size in inches.	1/2 3/4 1 1 1/4 1 1/2
Catalogue No.	CO11 CO22 CO33 CO44 CO55
Standard Package.	75 50 25 15 10
Weight Std. Pkg. .	120 lbs. 100 lbs. 60 lbs. 50 lbs. 50 lbs.
List Price, each. .	\$.50 \$.65 \$.75 \$1.25 \$1.60
Size in inches.	2 2 1/2 3 3 1/2 4
Catalogue No.	CO66 CO77 CO88 CO99 CO1010
Standard Package.	5 5 5 5 5
Weight Std. Pkg. .	45 lbs. 70 lbs. 80 lbs. 100 lbs. 120 lbs.
List Price, each. .	\$3.25 \$7.80 \$9.25 \$21.00 \$23.00

TYPE D CONDULET BODIES—Black Enamel Finish	
Size in inches.	1/2 3/4 1 1 1/4 1 1/2
Catalogue No.	D1 D2 D3 D4 D5
Standard Package.	75 50 25 15 10
Weight Std. Pkg. .	60 lbs. 60 lbs. 40 lbs. 50 lbs. 45 lbs.
List Price, each. .	\$.34 \$.41 \$.57 \$.94 \$1.22
Size in inches.	2 2 1/2 3 3 1/2 4
Catalogue No.	D6 D7 D8 D9 D10
Standard Package.	5 5 5 5 5
Weight Std. Pkg. .	35 lbs. 65 lbs. 70 lbs. 80 lbs. 90 lbs.
List Price, each. .	\$2.43 \$6.25 \$7.40 \$16.70 \$18.30

Obround covers and Obround Conduletto fittings of same size are interchangeable on above Condulet bodies of corresponding size.

Proper fastening screws are furnished with Obround covers and Obround Conduletto fittings, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and with the same size cover openings may be assorted to make up a standard package. No other assortment is allowed.

Obround covers are listed on pages Cross Reference Nos. CH30, CH31 and CH32. Obround Conduletto fittings are listed on page Cross Reference No. CH184a. Obround gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH122)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES E, F AND FE CONDULET BODIES

WITH OBROUND OPENINGS

Type F Condulet Bodies Take Obround Covers and Obround Conduletto Fittings

Types F and FE Condulet Bodies Take Obround Covers Only

TYPE E CONDULET BODIES—Black Enamel Finish						
Size in inches	1/2	3/4	1	1 1/4	1 1/2	
Catalogue Number ..	E1	E2	E3	E4	E5	
Standard Package...	200	100	50	20	10	
Shipping Wt. Std. Pkg.	140 lbs.	110 lbs.	80 lbs.	60 lbs.	40 lbs.	
List Price, each	\$.29	\$.35	\$.50	\$.80	\$1.04	
Size in inches	2	2 1/2	3	3 1/2	4	
Catalogue Number ..	E6	E7	E8	E9	E10	
Standard Package...	5	5	5	5	5	
Shipping Wt. Std. Pkg.	35 lbs.	55 lbs.	60 lbs.	65 lbs.	70 lbs.	
List Price, each	\$2.14	\$5.35	\$5.85	\$11.35	\$12.70	

TYPE F CONDULET BODIES—Black Enamel Finish						
Size in inches	1/2	3/4	1	1 1/4	1 1/2	
Catalogue Number ..	F1	F2	F3	F4	F5	
Standard Package...	100	100	50	20	10	
Shipping Wt. Std. Pkg.	150 lbs.	200 lbs.	175 lbs.	105 lbs.	65 lbs.	
List Price, each	\$.50	\$.65	\$1.05	\$1.64	\$2.52	
Size in inches	2	2 1/2	3	3 1/2	4	
Catalogue Number ..	F6	F7	F8	F9	F10	
Standard Package...	5	5	5	5	5	
Shipping Wt. Std. Pkg.	45 lbs.	115 lbs.	115 lbs.	265 lbs.	315 lbs.	
List Price, each	\$4.40	\$11.70	\$12.70	\$26.60	\$31.60	

TYPE FE CONDULET BODIES—Black Enamel Finish						
Size in inches	1/2	3/4	1	1 1/4	1 1/2	2
Catalogue Number ..	FE1	FE2	FE3	FE4	FE5	FE6
Standard Package...	100	100	50	20	10	5
Shipping Wt. Std. Pkg.	240 lbs.	350 lbs.	240 lbs.	175 lbs.	130 lbs.	100 lbs.
List Price, each	\$.50	\$.65	\$1.05	\$1.64	\$2.52	\$4.40
Size in inches	2 1/2	3	3 1/2	4	5	6
Catalogue Number ..	FE7	FE8	FE9	FE10	FE12	FE14
Standard Package...	5	5	5	5	5	5
Shipping Wt. Std. Pkg.	200 lbs.	200 lbs.	320 lbs.	320 lbs.	600 lbs.	600 lbs.
List Price, each	\$11.70	\$12.70	\$26.60	\$31.60	\$90.00	\$100.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Obround covers and Obround Conduletto fittings of same size are interchangeable on above Condulet bodies of corresponding size, except that types F and FE Condulet bodies take Obround covers only.

Proper fastening screws are furnished with Obround covers and Obround Conduletto fittings, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Obround covers are listed on pages Cross Reference Nos. CH30, CH31 and CH32. Obround Conduletto fittings are listed on page Cross Reference No. CH184a. Obround gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH23)

TYPES LB, LF, LL AND LR CONDULET BODIES

WITH OBOURND OPENINGS

Take Obround Covers and Obround Conduletto Fittings

TYPE LB CONDULET BODIES—Black Enamel Finish					
Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
Catalogue Number ...	LB11	LB22	LB33	LB44	LB55
Standard Package	200	100	50	20	10
Shipping Wt. Std. Pkg.	175 lbs.	120 lbs.	90 lbs.	75 lbs.	45 lbs.
List Price, each.....	\$.40	\$.45	\$.65	\$1.04	\$1.37
Size in inches.....	2	2 1/2	3	3 1/2	4
Catalogue Number ...	LB66	LB77	LB88	LB99	LB1010
Standard Package	5	5	5	5	5
Shipping Wt. Std. Pkg.	35 lbs.	60 lbs.	70 lbs.	80 lbs.	90 lbs.
List Price, each.....	\$2.65	\$6.55	\$7.70	\$17.10	\$19.10

TYPE LF CONDULET BODIES—Black Enamel Finish					
Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
Catalogue Number ...	LF11	LF22	LF33	LF44	LF55
Standard Package	200	100	50	20	10
Shipping Wt. Std. Pkg.	175 lbs.	120 lbs.	90 lbs.	75 lbs.	45 lbs.
List Price, each.....	\$.40	\$.45	\$.65	\$1.04	\$1.37
Size in inches.....	2	2 1/2	3	3 1/2	4
Catalogue Number ...	LF66	LF77	LF88	LF99	LF1010
Standard Package	5	5	5	5	5
Shipping Wt. Std. Pkg.	35 lbs.	60 lbs.	70 lbs.	80 lbs.	90 lbs.
List Price, each.....	\$2.65	\$6.55	\$7.70	\$17.10	\$19.10

TYPE LL CONDULET BODIES—Black Enamel Finish					
Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
Catalogue Number ...	LL11	LL22	LL33	LL44	LL55
Standard Package	200	100	50	20	10
Shipping Wt. Std. Pkg.	175 lbs.	120 lbs.	90 lbs.	75 lbs.	45 lbs.
List Price, each.....	\$.40	\$.45	\$.65	\$1.04	\$1.37
Size in inches.....	2	2 1/2	3	3 1/2	4
Catalogue Number ...	LL66	LL77	LL88	LL99	LL1010
Standard Package	5	5	5	5	5
Shipping Wt. Std. Pkg.	35 lbs.	60 lbs.	70 lbs.	80 lbs.	90 lbs.
List Price, each.....	\$2.65	\$6.55	\$7.70	\$17.10	\$19.10

TYPE LR CONDULET BODIES—Black Enamel Finish					
Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
Catalogue Number ...	LR11	LR22	LR33	LR44	LR55
Standard Package	200	100	50	20	10
Shipping Wt. Std. Pkg.	175 lbs.	120 lbs.	90 lbs.	75 lbs.	45 lbs.
List Price, each.....	\$.40	\$.45	\$.65	\$1.04	\$1.37
Size in inches.....	2	2 1/2	3	3 1/2	4
Catalogue Number ...	LR66	LR77	LR88	LR99	LR1010
Standard Package	5	5	5	5	5
Shipping Wt. Std. Pkg.	35 lbs.	60 lbs.	70 lbs.	80 lbs.	90 lbs.
List Price, each.....	\$2.65	\$6.55	\$7.70	\$17.10	\$19.10

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

For finishes and other important information, see notes on page Cross Reference No. CH26.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. Black enameled and galvanized types LB, LF, LL and LR Condulet bodies of the same size may be assorted to make up a standard package. No other assortment is allowed.









Obround covers are listed on pages Cross Reference Nos. CH30, CH31 and CH32. Obround Conduletto fittings are listed on page Cross Reference No. CH184a. Obround gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH24)

TYPES LBB, LFB, LLB AND LRB CONDULET BODIES

WITH OBOURND OPENINGS

Take Obround Covers and Obround Conduletto Fittings

		TYPE LBB CONDULET BODIES—Black Enamel Finish				
	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
	Catalogue No.....	LBB11	LBB22	LBB33	LBB44	LBB55
	Standard Pkg.....	100	75	50	20	10
	Weight Std. Pkg..	100 lbs.	95 lbs.	90 lbs.	75 lbs.	45 lbs.
	List Price, each...	\$.40	\$.45	\$.65	\$1.04	\$1.37
	Size in inches.....	2	2 1/2	3	3 1/2	4
	Catalogue No.....	LBB66	LBB77	LBB88	LBB99	LBB1010
	Standard Pkg.....	5	5	5	5	5
	Weight Std. Pkg..	35 lbs.	60 lbs.	70 lbs.	80 lbs.	90 lbs.
	List Price, each...	\$2.65	\$6.55	\$7.70	\$17.10	\$19.10
		TYPE LFB CONDULET BODIES—Black Enamel Finish				
	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
	Catalogue No.....	LFB11	LFB22	LFB33	LFB44	LFB55
	Standard Pkg.....	100	75	50	20	10
	Weight Std. Pkg..	100 lbs.	95 lbs.	90 lbs.	75 lbs.	45 lbs.
	List Price, each...	\$.40	\$.45	\$.65	\$1.04	\$1.37
	Size in inches.....	2	2 1/2	3	3 1/2	4
	Catalogue No.....	LFB66	LFB77	LFB88	LFB99	LFB1010
	Standard Pkg.....	5	5	5	5	5
	Weight Std. Pkg..	35 lbs.	60 lbs.	70 lbs.	80 lbs.	90 lbs.
	List Price, each...	\$2.65	\$6.55	\$7.70	\$17.10	\$19.10
		TYPE LLB CONDULET BODIES—Black Enamel Finish				
	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
	Catalogue No.....	LLB11	LLB22	LLB33	LLB44	LLB55
	Standard Pkg.....	100	75	50	20	10
	Weight Std. Pkg..	100 lbs.	95 lbs.	90 lbs.	75 lbs.	45 lbs.
	List Price, each...	\$.40	\$.45	\$.65	\$1.04	\$1.37
	Size in inches.....	2	2 1/2	3	3 1/2	4
	Catalogue No.....	LLB66	LLB77	LLB88	LLB99	LLB1010
	Standard Pkg.....	5	5	5	5	5
	Weight Std. Pkg..	35 lbs.	60 lbs.	70 lbs.	80 lbs.	90 lbs.
	List Price, each...	\$2.65	\$6.55	\$7.70	\$17.10	\$19.10
		TYPE LRB CONDULET BODIES—Black Enamel Finish				
	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
	Catalogue No.....	LRB11	LRB22	LRB33	LRB44	LRB55
	Standard Pkg.....	100	75	50	20	10
	Weight Std. Pkg..	100 lbs.	95 lbs.	90 lbs.	75 lbs.	45 lbs.
	List Price, each...	\$.40	\$.45	\$.65	\$1.04	\$1.37
	Size in inches.....	2	2 1/2	3	3 1/2	4
	Catalogue No.....	LRB66	LRB77	LRB88	LRB99	LRB1010
	Standard Pkg.....	5	5	5	5	5
	Weight Std. Pkg..	35 lbs.	60 lbs.	70 lbs.	80 lbs.	90 lbs.
	List Price, each...	\$2.65	\$6.55	\$7.70	\$17.10	\$19.10

For finishes and other important information, see notes on page Cross Reference No. CH26.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. Black enameled and galvanized types LBB, LFB, LLB and LRB Condulet bodies of the same size may be assorted to make up a standard package. No other assortment is allowed.

Obround covers are listed on pages Cross Reference Nos. CH30, CH31 and CH32. Obround Conduletto fittings are listed on page Cross Reference No. CH184a. Obround gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.


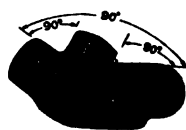

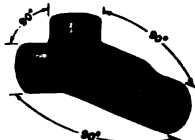
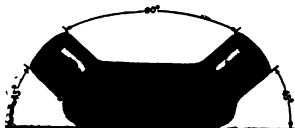
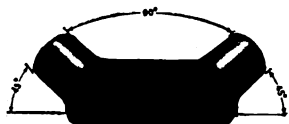
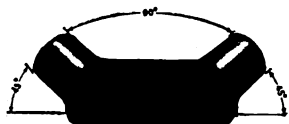
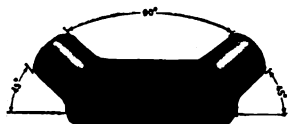
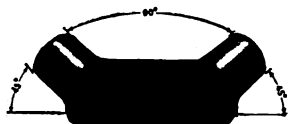
(Cross Reference No. CH25)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES LBL, LU, U AND UB CONDULET BODIES

WITH OBROUND OPENINGS

Take Obround Covers and Obround Conduletto Fittings

	TYPE LBL CONDULET BODIES					
	Black Enamel Finish					
	Size in inches.....	1/2	3/4	1		
	Catalogue Number....	LBL111	LBL222	LBL333		
	Standard Package.....	50	35	25		
	Ship. Wt. Std. Pkg.....	60 lbs.	55 lbs.	55 lbs.		
	List Price, each.....	\$.65	\$.80	\$.95		
	TYPE LU CONDULET BODIES					
	Black Enamel Finish					
	Size in inches.....	1/2	3/4	1		
Catalogue Number....	LU111	LU222	LU333			
Standard Package.....	50	35	25			
	Ship. Wt. Std. Pkg.....	70 lbs.	65 lbs.	60 lbs.		
	List Price, each.....	\$.65	\$.80	\$.95		
	TYPE U CONDULET BODIES—Black Enamel Finish					
	Size in inches	1/2	3/4	1	1 1/4	1 1/2
	Cat. No.....	U11	U22	U33	U44	U55
	Std. Pkg.....	100	50	40	20	10
	Wt. Std. Pkg.	100 lbs.	80 lbs.	80 lbs.	75 lbs.	45 lbs.
	List Price, ea.	\$.52	\$.57	\$.85	\$1.19	\$1.52
	Size in inches	2	2 1/2	3	3 1/2	4
	Cat. No.....	U66	U77	U88	U99	U1010
	Std. Pkg.....	5	5	5	5	5
	Wt. Std. Pkg.	40 lbs.	70 lbs.	75 lbs.	90 lbs.	100 lbs.
	List Price, ea.	\$2.90	\$7.10	\$8.10	\$18.60	\$20.60
	TYPE UB CONDULET BODIES—Black Enamel Finish					
	Size in inches	1/2	3/4	1	1 1/4	1 1/2
Cat. No.....	UB11	UB22	UB33	UB44	UB55	
	Std. Pkg.....	100	50	40	20	10
	Wt. Std. Pkg.	100 lbs.	80 lbs.	80 lbs.	75 lbs.	45 lbs.
	List Price, ea.	\$.52	\$.57	\$.85	\$1.19	\$1.52
	Size in inches	2	2 1/2	3	3 1/2	4
	Cat. No.....	UB66	UB77	UB88	UB99	UB1010
	Std. Pkg.....	5	5	5	5	5
	Wt. Std. Pkg.	40 lbs.	70 lbs.	75 lbs.	90 lbs.	100 lbs.
	List Price, ea.	\$2.90	\$7.10	\$8.10	\$18.60	\$20.60

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Obround covers and Obround Conduletto fittings of same size are interchangeable on above Condulet bodies of corresponding size.

Proper fastening screws are furnished with Obround covers and Obround Conduletto fittings, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Obround covers are listed on pages Cross Reference Nos. CH30, CH31 and CH32. Obround Conduletto fittings are listed on page Cross Reference No. CH184a. Obround gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH26)

TYPE T CONDULET BODIES

WITH OBROUND OPENINGS

Takes Obround Covers and Obround Conduletto Fittings



TYPE T CONDULET BODIES—Black Enamel Finish

Size in inches	1/2 — 1/2				1/2 — 1/2				1/2 — 1/2				3/4 — 3/4			
	1/2				3/4				1				1 1/2			
Cat. No.....	T111*				T121*				T131				T212*			
Std. Pkg.....	100				100				100				75			
Wt. Std. Pkg.....	120 lbs.				120 lbs.				90 lbs.				75 lbs.			
List Price, each.....	\$.48				\$.56				\$.63				\$.57			

Size in inches	3/4 — 3/4	3/4 — 3/4	3/4 — 3/4	3/4 — 3/4	1 — 1	1 — 1	1 — 1	1 — 1	1 — 1	1 — 1	1 — 1	1 — 1	1 — 1	1 — 1	1 — 1	1 — 1
Cat. No.....	T222*	T232	T242	T252	T313	T323	T333*	T343	T353*	T363*	T414	T424	T434	T444	T454	T464
Std. Pkg.....	75	75	75	75	50	50	50	50	50	50	20	20	20	20	20	20
Wt. Std. Pkg.	85 lbs.	95 lbs.	100 lbs.	120 lbs.	95 lbs.	100 lbs.	105 lbs.	115 lbs.	125 lbs.	135 lbs.	70 lbs.	75 lbs.	80 lbs.	85 lbs.	90 lbs.	95 lbs.
List Price, ea.	\$.57	\$.65	\$.77	\$.90	\$.80	\$.80	\$.80	\$.97	\$1.15	\$1.45	\$1.22	\$1.22	\$1.22	\$1.22	\$1.50	\$1.96

Size in inches	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2	1 1/2 — 1 1/2
Cat. No.....	T515	T525	T535	T545	T555	T565	T616	T626	T636	T646	T656	T666	T757	T767	T777	T868
Std. Pkg.....	10	10	10	10	10	10	5	5	5	5	5	5	5	5	5	5
Wt. Std. Pkg.	45 lbs.	45 lbs.	50 lbs.	50 lbs.	50 lbs.	95 lbs.	95 lbs.	100 lbs.	105 lbs.	115 lbs.	125 lbs.	135 lbs.	95 lbs.	100 lbs.	105 lbs.	115 lbs.
List Price, ea.	\$1.69	\$1.69	\$1.69	\$1.69	\$1.69	\$2.52	\$2.55	\$2.55	\$2.55	\$2.55	\$2.55	\$2.55	\$7.45	\$7.45	\$7.45	\$8.15

Size in inches	2 — 2	2 — 2	2 — 2	2 — 2	2 1/2 — 2 1/2	2 1/2 — 2 1/2	2 1/2 — 2 1/2	2 1/2 — 2 1/2	2 1/2 — 2 1/2	2 1/2 — 2 1/2	2 1/2 — 2 1/2	2 1/2 — 2 1/2	2 1/2 — 2 1/2	2 1/2 — 2 1/2	2 1/2 — 2 1/2	2 1/2 — 2 1/2
Cat. No.....	T636	T646	T656	T666	T757	T767	T777	T868	T878	T888	T898	T908	T918	T928	T938	T948
Std. Pkg.....	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Wt. Std. Pkg.	105 lbs.	115 lbs.	125 lbs.	135 lbs.	95 lbs.	100 lbs.	105 lbs.	115 lbs.	125 lbs.	135 lbs.	145 lbs.	155 lbs.	165 lbs.	175 lbs.	185 lbs.	195 lbs.
List Price, ea.	\$2.55	\$2.55	\$2.55	\$2.55	\$7.45	\$7.45	\$7.45	\$8.15	\$8.15	\$8.15	\$8.15	\$8.15	\$8.15	\$8.15	\$8.15	\$8.15

Size in inches	3 — 3	3 — 3	3 1/2 — 3 1/2	3 1/2 — 3 1/2	3 1/2 — 3 1/2	4 — 4	4 — 4	4 — 4	4 — 4	4 — 4	4 — 4	4 — 4	4 — 4	4 — 4	4 — 4	4 — 4
Cat. No.....	T878	T888	T979	T989	T999	T108	T109	T1010	T1011	T1012	T1013	T1014	T1015	T1016	T1017	T1018
Std. Pkg.....	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Wt. Std. Pkg.	125 lbs.	135 lbs.	45 lbs.	45 lbs.	50 lbs.	50 lbs.	50 lbs.	55 lbs.	60 lbs.	65 lbs.	70 lbs.	75 lbs.	80 lbs.	85 lbs.	90 lbs.	95 lbs.
List Price, ea.	\$8.15	\$8.15	\$22.60	\$22.60	\$22.60	\$24.60	\$24.60	\$24.60	\$24.60	\$24.60	\$24.60	\$24.60	\$24.60	\$24.60	\$24.60	\$24.60

The size of cover required for type T Condulet body is the same size as the conduit hubs at the ends of the cover opening.

Obround covers and Obround Conduletto fittings of same size are interchangeable on above Condulet bodies of corresponding size.

Proper fastening screws are furnished with Obround covers and Obround Conduletto fittings, and are so held in screw holes that they can not fall out.

For finishes, see page Cross Reference No. CH26.

Black enameled and galvanized Condulet bodies of the same type and with the same size cover openings may be assorted to make a standard package. No other assortment is allowed.

*1/2, 3/4 and 1-inch types T, TB and X Condulet bodies are regularly furnished with larger wiring chamber than other Obround Condulet bodies of corresponding size. These Condulet bodies will be furnished with wiring chamber of the same size as other Obround Condulet bodies, if specifically ordered, using regular catalogue numbers and specifying "Smaller Wiring Chamber."

Obround covers are listed on pages Cross Reference Nos. CH30, CH31 and CH32. Obround Conduletto fittings are listed on page Cross Reference No. CH184a. Obround gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH27)

TYPES TB, TL AND TR CONDULET BODIES **WITH OBOURD OPENINGS**

Take Obround Covers and Obround Conduletto Fittings

TYPE TB CONDULET BODIES—Black Enamel Finish						
Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	
Catalogue No.	TB111*	TB222*	TB333*	TB444	TB555	
Standard Package.	200	100	50	20	10	
Ship. Wt. Std. Pkg.	175 lbs.	120 lbs.	90 lbs.	75 lbs.	45 lbs.	
List Price, each ..	\$.48	\$.57	\$.80	\$1.22	\$1.69	
Size in inches	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	
Catalogue No.	TB666	TB777	TB888	TB999	TB1010	
Standard Package.	5	5	5	5	5	
Ship. Wt. Std. Pkg.	35 lbs.	60 lbs.	70 lbs.	80 lbs.	90 lbs.	
List Price, each ..	\$2.55	\$7.45	\$8.15	\$22.60	\$24.60	

TYPE TL CONDULET BODIES—Black Enamel Finish						
Size in inches	$\frac{1}{2}$ — $\frac{1}{2}$	$\frac{1}{2}$ — $\frac{1}{2}$	$\frac{1}{2}$ — $\frac{1}{2}$	$\frac{3}{4}$ — $\frac{3}{4}$	$\frac{3}{4}$ — $\frac{3}{4}$	
	$\frac{1}{2}$	$\frac{3}{4}$	1	$\frac{1}{2}$	$\frac{3}{4}$	
Catalogue No.	TL111	TL121	TL131	TL212	TL222	
Standard Package.	100	100	100	50	50	
Ship. Wt. Std. Pkg.	95 lbs.	100 lbs.	105 lbs.	115 lbs.	125 lbs.	
List Price, each ..	\$.48	\$.56	\$.63	\$.57	\$.57	
Size in inches	$\frac{3}{4}$ — $\frac{3}{4}$	1—1	1—1	1—1	$1\frac{1}{4}$ — $1\frac{1}{4}$	
	1	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	
Catalogue No.	TL232	TL313	TL323	TL333	TL444	
Standard Package.	50	40	40	40	20	
Ship. Wt. Std. Pkg.	135 lbs.	100 lbs.	100 lbs.	100 lbs.	75 lbs.	
List Price, each ..	\$.65	\$.80	\$.80	\$.80	\$1.22	

TYPE TR CONDULET BODIES—Black Enamel Finish						
Size in inches	$\frac{1}{2}$ — $\frac{1}{2}$	$\frac{1}{2}$ — $\frac{1}{2}$	$\frac{1}{2}$ — $\frac{1}{2}$	$\frac{3}{4}$ — $\frac{3}{4}$	$\frac{3}{4}$ — $\frac{3}{4}$	
	$\frac{1}{2}$	$\frac{3}{4}$	1	$\frac{1}{2}$	$\frac{3}{4}$	
Catalogue No.	TR111	TR121	TR131	TR212	TR222	
Standard Package.	100	100	100	50	50	
Ship. Wt. Std. Pkg.	95 lbs.	100 lbs.	105 lbs.	115 lbs.	125 lbs.	
List Price, each ..	\$.48	\$.56	\$.63	\$.57	\$.57	
Size in inches	$\frac{3}{4}$ — $\frac{3}{4}$	1—1	1—1	1—1	$1\frac{1}{4}$ — $1\frac{1}{4}$	
	1	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	
Catalogue No.	TR232	TR313	TR323	TR333	TR444	
Standard Package.	50	40	40	40	20	
Ship. Wt. Std. Pkg.	135 lbs.	100 lbs.	100 lbs.	100 lbs.	75 lbs.	
List Price, each ..	\$.65	\$.80	\$.80	\$.80	\$1.22	

The size of cover required for a type TL or TR Condulet body is the same size as the conduit hubs at the ends of the cover opening.

Obround covers and Obround Conduletto fittings of same size are interchangeable on above Condulet bodies of corresponding size.

Proper fastening screws are furnished with Obround covers and Obround Conduletto fittings, and are so held in screw holes that they can not fall out.

Assortments: Black enameled and galvanized Condulet bodies of the same type and with the same size cover openings may be assorted to make up a standard package. Black enameled and galvanized types TL and TR Condulet bodies with the same size cover openings may be assorted to make up a standard package. No other assortment is allowed.

* $\frac{1}{2}$, $\frac{3}{4}$ and 1-inch types T, TB and X Condulet bodies are regularly furnished with larger wiring chamber than other Obround Condulet bodies of corresponding size. These Condulet bodies will be furnished with wiring chamber of the same size as other Obround Condulet bodies, if specifically ordered, using regular catalogue numbers and specifying "Smaller Wiring Chamber."

For finishes, see note on page Cross Reference No. CH26. Obround covers are listed on pages Cross Reference Nos. CH30, CH31 and CH32. Obround Conduletto fittings are listed on page Cross Reference No. CH184A. Obround gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.


(Cross Reference No. CH28)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE X CONDULET BODIES

WITH OBOURND OPENINGS

Takes Obround Covers and Obround Conduletto Fittings

	TYPE X CONDULET BODIES—Black Enamel Finish							
	Size in inches.....		$\frac{1}{2}$ $\frac{1}{2} \times \frac{1}{2}$	$\frac{1}{2}$ $\frac{3}{4} \times \frac{1}{2}$	$\frac{1}{2}$ $\frac{3}{4} \times \frac{3}{4}$	$\frac{3}{4}$ $\frac{3}{4} \times \frac{3}{4}$	$\frac{3}{4}$ $\frac{3}{4} \times \frac{3}{4}$	$\frac{3}{4}$ $\frac{3}{4} \times \frac{3}{4}$
	Catalogue Number		X1111*	X2111	X2112*	X2222*		
	Standard Package.....		75	50	50	50		
	Shipping Weight Std. Pkg...		95 lbs.	65 lbs.	70 lbs.	85 lbs.		
	List Price, each.....		\$.60	\$.77	\$.77	\$.77		
Size in inches.....	$\frac{1}{2} \times \frac{3}{4}$ $\frac{1}{2}$	$\frac{3}{4} \times \frac{3}{4}$ $\frac{3}{4}$	$\frac{1}{2} \times 1$ $\frac{1}{2}$	$\frac{3}{4} \times 1$ $\frac{3}{4}$	1×1 1	$\frac{1}{2} \times 1$ $\frac{1}{2}$	$\frac{3}{4} \times 1$ $\frac{3}{4}$	$1 \frac{1}{4} \times 1 \frac{3}{4}$ $1 \frac{1}{4}$
Catalogue Number	X3112	X3222	X3113	X3223	X3333*	X4113	X4222	
Standard Package.....	35	35	35	35	35	20	20	
Weight Std. Pkg.....	50 lbs.	45 lbs.	50 lbs.	60 lbs.	75 lbs.	55 lbs.	60 lbs.	
List Price, each.....	\$1.05	\$1.05	\$1.05	\$1.05	\$1.05	\$1.24	\$1.24	
Size in inches.....	$\frac{3}{4} \times 1 \frac{1}{4}$ $\frac{3}{4}$	$1 \times 1 \frac{1}{4}$ 1	$\frac{1}{2} \times 1 \frac{1}{4}$ $\frac{1}{2}$	$\frac{3}{4} \times 1 \frac{1}{4}$ $\frac{3}{4}$	$1 \times 1 \frac{1}{4}$ $1 \frac{1}{4}$	$\frac{1}{2} \times 1 \frac{1}{4}$ $\frac{1}{2}$	$\frac{3}{4} \times 1 \frac{1}{4}$ $\frac{3}{4}$	$1 \frac{1}{4} \times 1 \frac{3}{4}$ $1 \frac{1}{4}$
Catalogue Number	X4223	X4333	X4114	X4224	X4444	X5114	X5224	
Standard Package.....	20	20	20	20	20	10	10	
Weight Std. Pkg.....	65 lbs.	70 lbs.	75 lbs.	80 lbs.	85 lbs.	40 lbs.	45 lbs.	
List Price, each.....	\$1.24	\$1.24	\$1.24	\$1.24	\$1.24	\$1.78	\$1.78	
Size in inches.....	$\frac{3}{4} \times 1 \frac{1}{2}$ $\frac{3}{4}$	$1 \times 1 \frac{1}{2}$ 1	$\frac{1}{2} \times 1 \frac{1}{4}$ 1	$\frac{3}{4} \times 1 \frac{1}{2}$ 1	$1 \times 1 \frac{1}{2}$ $1 \frac{1}{2}$	$\frac{1}{2} \times 1 \frac{1}{2}$ $\frac{1}{2}$	$\frac{3}{4} \times 1 \frac{1}{2}$ $\frac{3}{4}$	$1 \frac{1}{4} \times 1 \frac{3}{4}$ $1 \frac{1}{4}$
Catalogue Number	X5225	X5333	X5334	X5335	X5555	X6115	X6225	
Standard Package.....	10	10	10	10	10	5	5	
Weight Std. Pkg.....	50 lbs.	50 lbs.	55 lbs.	55 lbs.	60 lbs.	35 lbs.	35 lbs.	
List Price, each.....	\$1.78	\$1.78	\$1.78	\$1.78	\$1.78	\$2.85	\$2.85	
Size in inches	$2 \times 1 \frac{1}{2}$ 1	2×2 1	2×2 2	$2 \frac{1}{2} \times 1 \frac{1}{2}$ 1	$2 \frac{1}{2} \times 1 \frac{1}{2}$ $1 \frac{1}{2}$	$2 \frac{1}{2} \times 2 \frac{1}{2}$ $1 \frac{1}{2}$	$2 \frac{1}{2} \times 2 \frac{1}{2}$ $2 \frac{1}{2}$	3×2 $1 \frac{1}{2}$
Cat. No.....	X6335	X6336	X6666	X7335	X7555	X7557	X7777	X8556
Std. Pkg.....	5	5	5	5	5	5	5	5
Wt. Std. Pkg.....	40 lbs.	40 lbs.	45 lbs.	70 lbs.	75 lbs.	75 lbs.	75 lbs.	80 lbs.
List Price, ea.	\$2.85	\$2.85	\$2.85	\$8.95	\$8.95	\$8.95	\$8.95	\$9.95
Size in inches	$3 \times 2 \frac{1}{2}$ 2	3×3 3	$3 \frac{1}{2} \times 2 \frac{1}{2}$ 2	$2 \frac{1}{2} \times 3$ $2 \frac{1}{2}$	$3 \frac{1}{2} \times 3 \frac{1}{2}$ $3 \frac{1}{2}$	4×3 $2 \frac{1}{2}$	$4 \times 3 \frac{1}{2}$ 3	4×4 4
Cat. No.....	X8667	X8888	X9667	X9778	X9999	X1078	X1089	X1010
Std. Pkg.....	5	5	5	5	5	5	5	5
Wt. Std. Pkg.....	85 lbs.	90 lbs.	95 lbs.	100 lbs.	105 lbs.	105 lbs.	110 lbs.	115 lbs.
List Price, ea.	\$9.95	\$9.95	\$25.00	\$25.00	\$25.00	\$27.00	\$27.00	\$27.00

The size of cover required for type X Condulet body is the same size as the largest conduit hub. Obround covers and Obround Conduletto fittings of same size are interchangeable on above Condulet bodies of corresponding size.

For finishes, see page Cross Reference No. CH26.

Black enameled and galvanized type X Condulet bodies with the same size cover openings may be assorted to make up a standard package. No other assortment is allowed.

* $\frac{1}{2}$, $\frac{3}{4}$ and 1-inch types T, TB and X Condulet bodies are regularly furnished with larger wiring chamber than other Obround Condulet bodies of corresponding size. These Condulet bodies will be furnished with wiring chamber of the same size as other Obround Condulet bodies, if specifically ordered, using regular catalogue numbers and specifying "Smaller Wiring Chamber."

Obround covers are listed on pages Cross Reference Nos. CH30, CH31 and CH32. Obround Conduletto fittings are listed on page Cross Reference No. CH184a. Obround gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH29)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES DF, LFM, LFN, TM AND TMD CONDULET BODIES WITH OBOURD OPENINGS

Condulets for Gooseneck Brackets and Similar Installations

Types DF and TM Condulet Bodies Take Obround Covers only

Types LFM, LFN and TMD Condulet Bodies Take Obround Covers and Obround Conduletto Fittings

TYPE DF CONDULET BODIES

Black Enamel Finish

Size in inches.	1/2	3/4	1
Cat. No.	DF1	DF2	DF3
Std. Pkg.	35	35	35
Wt. Std. Pkg..	100 lbs.	120 lbs.	160 lbs.
List, each	\$1.15	\$1.30	\$1.55

Type DF Condulet with gooseneck bracket and type VA Condulet.

TYPE LFM CONDULET BODIES

Black Enamel Finish

Size in inches.	1/2	3/4	1
Cat. No.	LFM11	LFM22	LFM33
Std. Pkg.	35	35	35
Wt. Std. Pkg..	90 lbs.	100 lbs.	110 lbs.
List, each	\$1.15	\$1.30	\$1.55

Type LFM Condulet with gooseneck bracket and type WV Condulet.

TYPE LFN CONDULET BODIES

Black Enamel Finish

Size in inches.	1/2	3/4	1
Cat. No.	LFN11	LFN22	LFN33
Std. Pkg.	35	35	35
Wt. Std. Pkg..	90 lbs.	100 lbs.	110 lbs.
List, each	\$1.15	\$1.30	\$1.55

Type LFN Condulet with lighting fixture.

TYPE TM CONDULET BODIES

Black Enamel Finish

Size in inches.	1/2	3/4	1
Cat. No.	TM111	TM222	TM333
Std. Pkg.	35	35	35
Wt. Std. Pkg..	100 lbs.	110 lbs.	125 lbs.
List, each	\$1.30	\$1.45	\$1.70

Type TM Condulet with gooseneck bracket and type WV Condulet.

TYPE TMD CONDULET BODIES

Black Enamel Finish

Size in ins.	1/2	3/4	1
Cat. No. ...	TMD111	TMD222	TMD333
Std. Pkg. .	35	35	35
Wt. Pkg. .	105 lbs.	115 lbs.	130 lbs.
List, each..	\$1.55	\$1.70	\$1.95

Type TMD Condulet with gooseneck bracket and type WV Condulet.

Obround Covers are listed on pages Cross Reference Nos. CH30, CH31 and CH32. Obround Conduletto fittings are listed on page Cross Reference No. CH184a. Obround Gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH29a)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OBROUND CONDULET COVERS

For Types A, B, BE, C, CO, D, DF, E, F, FE, LB, LBA, LBB, LBL, LBV, LF, LFB, LFM
LL, LLB, LR, LRB, LU, T, TB, TJD, TL, TM, TR, U, UB and X Condulet Bodies

Furnished with Fastening Screws



Composition, 1-Wire Hole



Composition, 2-Wire Hole



Composition, 3-Wire Hole



Composition, 4-Wire Hole



Composition, 5-Wire Hole



Composition, 6-Wire Hole



Composition, 7-Wire Hole



Composition, 8-Wire Hole



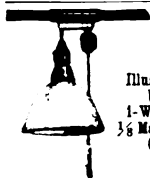
Composition, 9-Wire Hole



Composition, Blank

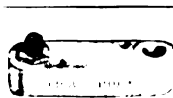
COMPOSITION COVERS WITH WIRE HOLES*

Size of Cover.....	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5 or 6
Std. Pkg. Assorted..	200	100	50	20	10	5	5	5	5	5	5
1-wire Standard†	Cat. No. CF11	CF21	CF31	CF41	CF51	CF61	CF71	CF81	CF91	CF1001	CF1401
List, ea.	\$.20	\$.30	\$.50	\$1.00	\$1.10	\$1.20	\$1.60	\$1.60	\$2.50	\$2.50	\$4.00
1-wire Special†	Cat. No. CF118	CF218	CF318	CF418	CF518	CF618	CF718	CF818	CF918	CF10018	Not made
List, ea.	\$.20	\$.30	\$.50	\$1.00	\$1.10	\$1.20	\$1.60	\$1.60	\$2.50	\$2.50	
2-wire	Cat. No. CF12	CF22	CF32	CF42	CF52	CF62	CF72	CF82	CF92	CF1002	CF1402
List, ea.	\$.20	\$.30	\$.50	\$1.00	\$1.10	\$1.20	\$1.60	\$1.60	\$2.50	\$2.50	\$4.00
3-wire	Cat. No. CF13	CF23	CF33	CF43	CF53	CF63	CF73	CF83	CF93	CF1003	CF1403
List, ea.	\$.20	\$.30	\$.50	\$1.00	\$1.10	\$1.20	\$1.60	\$1.60	\$2.50	\$2.50	\$4.00
4-wire	Cat. No. CF1400	CF2400	CF3400	CF4400	CF5400	CF6400	CF7400	CF8400	CF9400	CF10400	CF14400
List, ea.	\$.20	\$.30	\$.50	\$1.00	\$1.10	\$1.20	\$1.60	\$1.60	\$2.50	\$2.50	\$4.00
5-wire	Cat. No. Not made	CF2500	CF3500	CF4500	CF5500	CF6500	CF7500	CF8500	CF9500	CF10500	CF14500
List, ea.		\$.30	\$.50	\$1.00	\$1.10	\$1.20	\$1.60	\$1.60	\$2.50	\$2.50	\$4.00
6-wire	Cat. No. Not made	CF2600	CF3600	CF4600	CF5600	CF6600	CF7600	CF8600	CF9600	CF10600	CF14600
List, ea.		\$.30	\$.50	\$1.00	\$1.10	\$1.20	\$1.60	\$1.60	\$2.50	\$2.50	\$4.00
7-wire	Cat. No. Not made	Not made	CF3700	CF4700	CF5700	CF6700	CF7700	CF8700	CF9700	CF10700	CF14700
List, ea.			\$.50	\$1.00	\$1.10	\$1.20	\$1.60	\$1.60	\$2.50	\$2.50	\$4.00
8-wire	Cat. No. Not made	Not made	CF3800	CF4800	CF5800	CF6800	CF7800	CF8800	CF9800	CF10800	CF14800
List, ea.			\$.50	\$1.00	\$1.10	\$1.20	\$1.60	\$1.60	\$2.50	\$2.50	\$4.00
9-wire	Cat. No. Not made	Not made	CF3900	CF4900	CF5900	CF6900	CF7900	CF8900	CF9900	CF10900	CF14900
List, ea.			\$.50	\$1.00	\$1.10	\$1.20	\$1.60	\$1.60	\$2.50	\$2.50	\$4.00
Blank	Cat. No. CF100	CF200	CF300	CF400	CF500	CF600	CF700	CF800	CF900	CF1000	CF14000
List, ea.	\$.20	\$.30	\$.50	\$1.00	\$1.10	\$1.20	\$1.60	\$1.60	\$2.50	\$2.50	\$4.00
Weight Std. Pkg....	40 lbs.	30 lbs.	20 lbs.	20 lbs.	18 lbs.	12 lbs.	18 lbs.	25 lbs.	30 lbs.	40 lbs.	50 lbs.



Illustrating
Use of
1-Wire Hole,
3/8 Male Nipple
Cover

OBROUND PORCELAIN COVERS WITH 1-WIRE HOLE AND 1/8 MALE NIPPLE



Size of Cover.....	1/2	3/4	1
For Drop Cord and Fixture Pull Switches			
Catalogue No.	191	291	391
Standard Pkg.	200	100	50
Weight Std. Pkg. ...	55 lbs.	40 lbs.	30 lbs.
List Price, each ...	\$.35	\$.40	\$.50

†Standard and special 1-wire hole covers differ only in diameter of wire hole; see schedule on page Cross Reference No. CH172. Standard 1-wire hole covers will always be furnished, unless order specifically calls for special 1-wire hole covers.

Obround covers are interchangeable on corresponding sizes of Condulet bodies with Obround openings. 2 1/2 and 3-inch Obround covers are interchangeable. 3 1/2 and 4-inch Obround covers are interchangeable.

Above composition Obround covers of the same size may be assorted to make up a standard package, regardless of style of cover.

Assortment specified on second page following applies to above Obround porcelain covers 191, 291 and 391.

Standard package discount is allowed on covers when an order is for a standard package of Condulet bodies and an equal number of covers for those bodies; but on an order for covers alone, standard package discount is allowed, only, on the specified standard package quantity of covers.

*For diameter of wire holes in covers, see page Cross Reference No. CH172. Obround gaskets are listed on page Cross Reference No. CH178.

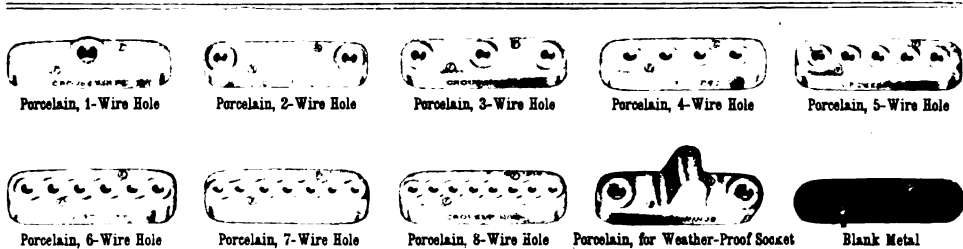
(Cross Reference No. CH30)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDULET OBROUND COVERS

For Types A, B, BE, C, CO, D, DF, E, F, FE, LB, LBA, LBB, LBL, LBV, LF, LFB, LFM, LL, LLB, LR, LRB, LU, T, TB, TJD, TL, TM, TR, U, UB AND X Condulet Bodies

Furnished with Fastening Screws



Size of Cover.....	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5 or 6
Std. Pkg. Assorted	200	100	50	20	10	5	5	5	5	5	5

PORCELAIN COVERS WITH WIRE HOLES*

1-wire Standard†	Cat. No.	11	21	31	41	51	61	71	81	91	101	1401
	List, ea..	\$.10	\$.15	\$.25	\$.36	\$.48	\$.60	\$.80	\$.80	\$.90	\$.90	\$2.00
1-wire Special†	Cat. No.	11S	21S	31S	41S	51S	61S	71S	81S	91S	101S	Not made
	List, ea..	\$.10	\$.15	\$.25	\$.36	\$.48	\$.60	\$.80	\$.80	\$.90	\$.90	
2-wire	Cat. No.	12	22	32	42	52	62	72	82	92	102	1402
	List, ea..	\$.10	\$.15	\$.25	\$.36	\$.48	\$.60	\$.80	\$.80	\$.90	\$.90	\$2.00
3-wire	Cat. No.	13	23	33	43	53	63	73	83	93	103	1403
	List, ea..	\$.10	\$.15	\$.25	\$.36	\$.48	\$.60	\$.80	\$.80	\$.90	\$.90	\$2.00
4-wire	Cat. No.	1400	2400	3400	4400	5400	6400	7400	8400	9400	10400	14400
	List, ea..	\$.10	\$.15	\$.25	\$.36	\$.48	\$.60	\$.80	\$.80	\$.90	\$.90	\$2.00
5-wire	Cat. No.	Not made	2500	3500	4500	5500	6500	7500	8500	9500	10500	14500
	List, ea..		\$.15	\$.25	\$.36	\$.48	\$.60	\$.80	\$.80	\$.90	\$.90	\$2.00
6-wire	Cat. No.	Not made	2600	3600	4600	5600	6600	7600	8600	9600	10600	14600
	List, ea..		\$.15	\$.25	\$.36	\$.48	\$.60	\$.80	\$.80	\$.90	\$.90	\$2.00
7-wire	Cat. No.	Not made	Not made	3700	4700	5700	6700	7700	8700	9700	10700	14700
	List, ea..			\$.25	\$.36	\$.48	\$.60	\$.80	\$.80	\$.90	\$.90	\$2.00
8-wire	Cat. No.	Not made	Not made	3800	4800	5800	6800	7800	8800	9800	10800	14800
	List, ea..			\$.25	\$.36	\$.48	\$.60	\$.80	\$.80	\$.90	\$.90	\$2.00
9-wire	Cat. No.	Not made	Not made	3900	4900	5900	6900	7900	8900	9900	10900	14900
	List, ea..			\$.25	\$.36	\$.48	\$.60	\$.80	\$.80	\$.90	\$.90	\$2.00
For W. P. Socket	Cat. No.	14	24	34	†Standard and special 1-wire hole covers differ only in diameter of wire hole; see schedule on page Cross Reference No. CH172. Standard 1-wire hole covers will always be furnished, unless order specifically calls for special 1-wire hole covers.							
	List, ea..	\$.16	\$.25	\$.40								
Weight Std. Pkg...		50 lbs.	35 lbs.	25 lbs.	25 lbs.	20 lbs.	15 lbs.	20 lbs.	20 lbs.	30 lbs.	30 lbs.	40 lbs.

BLANK METAL COVERS—Black Enamel Finish

Sheet Steel	Cat. No.	100	200	300	400	500	600	700	800	900	1000	14000
	List, ea..	\$.08	\$.11	\$.23	\$.32	\$.45	\$.56	\$.75	\$.75	\$.80	\$.80	\$1.25
Weight Std. Pkg...		30 lbs.	15 lbs.	10 lbs.	10 lbs.	10 lbs.	5 lbs.	10 lbs.	10 lbs.	15 lbs.	15 lbs.	20 lbs.
Cast Iron (Flange)	Cat. No.	100f	200f	300f	400f	500f	600f	700f	800f	900f	1000f	14000f
	List, ea..	\$.16	\$.22	\$.35	\$.50	\$.70	\$.90	\$1.15	\$1.15	\$1.25	\$1.25	\$1.75
Weight Std. Pkg...		90 lbs.	60 lbs.	35 lbs.	25 lbs.	15 lbs.	10 lbs.	10 lbs.	15 lbs.	20 lbs.	25 lbs.	30 lbs.

*For diameter of wire holes in covers, see page Cross Reference No. CH172. For finishes, assortments, and other important information, see notes on page Cross Reference No. CH32. Obround gaskets are listed on page Cross Reference No. CH176.

(Cross Reference No. CH31)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OBROUND COVERS

	Size of Cover.....	1/2	3/4	1	1 1/4	1 1/2
	Std. Pkg. Assorted.....	200	100	50	20	10
METAL COVERS WITH NIPPLES—Black Enamel Finish						
 Metal, 1/8 Male Nipple	1/8 Male	Catalogue No. 15 List, each.....	25 \$.25	35 \$.35	45 \$.46	55 \$.58
 Metal, 1/8 Female Nipple	1/8 Female	Catalogue No. 16 List, each.....	26 \$.25	36 \$.35	46 \$.46	56 \$.58
 Metal, 1/4 Male Nipple	1/4 Male	Catalogue No. 113 List, each.....	213 \$.23	313 \$.38	413 \$.49	513 \$.61
 Metal, 1/4 Female Nipple	1/4 Female	Catalogue No. 114 List, each.....	214 \$.23	314 \$.38	414 \$.49	514 \$.61
 Metal, 3/8 Male Nipple	3/8 Male	Catalogue No. 17 List, each.....	27 \$.25	37 \$.40	47 \$.51	57 \$.63
 Metal, 3/8 Female Nipple	3/8 Female	Catalogue No. 18 List, each.....	28 \$.25	38 \$.40	48 \$.51	58 \$.63
 Metal, 1/2 Male Nipple	1/2 Male	Catalogue No. Not made List, each.....	215 \$.35	315 \$.45	415 \$.56	515 \$.68
 Metal, 1/2 Female Nipple	1/2 Female	Catalogue No. Not made List, each.....	216 \$.35	316 \$.45	416 \$.56	516 \$.68
	Ship. Weight Std. Pkg.	40 lbs.	25 lbs.	20 lbs.	10 lbs.	10 lbs.

PORCELAIN COVERS WITH NIPPLES						
 Porcelain, 1/8 Male Nipple	1/8 Male	Catalogue No. 19 List, each.....	29 \$.30	39 \$.43	49 \$.58	59 \$.72
 Porcelain, 1/8 Female Nipple	1/8 Female	Catalogue No. 110 List, each.....	210 \$.30	310 \$.43	410 \$.58	510 \$.72
 Porcelain, 1/4 Male Nipple	1/4 Male	Catalogue No. 119 List, each.....	219 \$.35	319 \$.48	419 \$.63	519 \$.77
 Porcelain, 1/4 Female Nipple	1/4 Female	Catalogue No. 120 List, each.....	220 \$.35	320 \$.48	420 \$.63	520 \$.77
 Porcelain, 3/8 Male Nipple	3/8 Male	Catalogue No. 111 List, each.....	211 \$.41	311 \$.53	411 \$.68	511 \$.82
 Porcelain, 3/8 Female Nipple	3/8 Female	Catalogue No. 112 List, each.....	212 \$.41	312 \$.53	412 \$.68	512 \$.82
 Porcelain, 1/2 Male Nipple	1/2 Male	Catalogue No. 121 List, each.....	221 \$.46	321 \$.58	421 \$.73	521 \$.87
 Porcelain, 1/2 Female Nipple	1/2 Female	Catalogue No. 122 List, each.....	222 \$.46	322 \$.58	422 \$.73	522 \$.87
	Ship. Weight Std. Pkg.	60 lbs.	40 lbs.	30 lbs.	30 lbs.	25 lbs.

Obround covers are interchangeable on corresponding sizes of Condulet bodies with Obround openings. 2 1/2 and 3-inch Obround covers are interchangeable. 3 1/2 and 4-inch Obround covers are interchangeable.

Proper fastening screws are furnished with covers, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for metal covers, and will be furnished unless another finish is specified on the order. Galvanized finish will be furnished, if specifically ordered, at same price as black enamel finish. For special plated finishes, brass and bronze covers with plain and special finishes, aluminum covers with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled, galvanized and porcelain Obround covers of the same size may be assorted to make up a standard package, regardless of style of cover. No other assortment is allowed. Standard package discount is allowed on covers when an order is for a standard package of Condulet bodies and an equal number of covers for those bodies; but on an order for covers alone, standard package discount is allowed, only, on the specified standard package quantity of covers.

Obround gaskets are listed on page Cross Reference No. CH176.
(Cross Reference No. CH32)

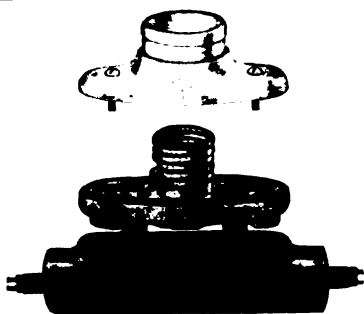
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS CONDULET FITTINGS

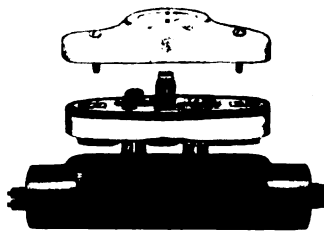
FOR OBOURND CONDULET BODIES

For Types A, B, C, CO, D, E, LB, LBA, LBB, LBL, LBV, LF, LFB, LFM, LL, LLB, LR, LRB, LU, T, TB, TL, TR, U, UB and X Condulet Bodies

Obround Conduletto Fittings are listed on page Cross Reference No. CH184a and are as follows: Receptacle with Shade Holder Groove, Receptacle without Shade Holder Groove, Cord Rosette, Fixture Rosette with 1-8 Male Nipple, Fixture Rosette with 1-8 Female Nipple, Hubbell Attachment Plug Receptacle and Hubbell Polarity Plug Receptacle



Type C Condulet Body
and Obround Conduletto Receptacle with Shade Holder Groove
(Exploded View)



Type C Condulet Body
and Obround Conduletto Hubbell Attachment Plug Receptacle
(Exploded View)

CONDULET BODY EXTENSIONS

For Condulet Bodies with Obround Openings, Except Types BE, F, FE, DF and TM

Take Obround Covers and Obround Conduletto Fittings

Furnished with Mat (White Enameled) and Necessary Fastening Screws



Condulet Body Extension Mat

Condulet body extensions deepen the wiring chamber of Obround Condulet bodies and bring the cover opening flush with the plaster line.

An Obround Condulet cover or an Obround Conduletto fitting is fastened direct to the Condulet body extension.

The mat serves as a finish and is held in position by the fastening screws of the Condulet cover or Conduletto fitting.



Illustration Showing Type C Condulet Body
with Condulet Body Extension Installed Back of
Plaster Line and Mat and Obround Porcelain
4-Wire Hole Cover Installed on Surface of Wall

Size in inches	1/2			3/4			1		
Depth of Extension	7/8	1 1/2	2	7/8	1 1/2	2	7/8	1 1/2	2
Catalogue No.	Ex12	Ex15	Ex16	Ex22	Ex25	Ex26	Ex32	Ex35	Ex36
Standard Pkg.	50	50	35	35	35	25	25	25	25
Wt. Std. Pkg.	40 lbs.	45 lbs.	60 lbs.	45 lbs.	50 lbs.	65 lbs.	35 lbs.	40 lbs.	50 lbs.
List Price, each ..	\$.50	\$.55	\$.60	\$.60	\$.65	\$.70	\$.70	\$.75	\$.80

Size in inches	1 1/4			1 1/2			2	2 1/2 or 3	3 1/2 or 4
Depth of Extension	7/8	1 1/2	2	7/8	1 1/2	2	2	2 1/2	3
Catalogue No.	Ex42	Ex45	Ex46	Ex52	Ex55	Ex56	Ex66	Ex77	Ex98
Standard Pkg.	20	20	20	10	10	10	5	5	5
Wt. Std. Pkg.	35 lbs.	45 lbs.	55 lbs.	25 lbs.	30 lbs.	35 lbs.	25 lbs.	40 lbs.	55 lbs.
List Price, each ..	\$.85	\$.95	\$1.05	\$1.00	\$1.10	\$1.20	\$1.75	\$2.70	\$3.70

Finishes: Black enamel is the standard finish for Condulet body extensions, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet body extensions will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet body extensions with plain and special finishes, aluminum Condulet body extensions with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet body extensions of the same size may be assorted to make up a standard package. No other assortment is allowed.

Obround covers are listed on pages Cross Reference Nos. CH30, CH31 and CH32. Obround Conduletto fittings are listed on page Cross Reference No. CH184a. Obround gaskets are listed on page Cross Reference No. CH176.

(Cross Reference No. CH32a)

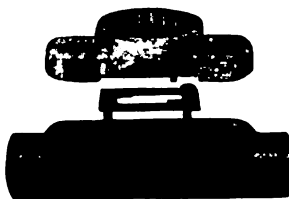
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDULETS

FITTINGS FOR OBROUND CONDULET BODIES

The Arrow Electric Company, Bryant Electric Company, General Electric Company, Hart & Hegeman Manufacturing Company, Pass & Seymour, and the Perkins Electric Switch Manufacturing Company each make a special base for mounting fittings of their own manufacture on any 1/2-inch Obround Condulet Body.

Below are shown a few of these fittings and an exploded view illustrating the way they are mounted on Condulet bodies.



1-2-inch Obround Condulet bodies take the following fittings:

Snap Switches: ARROW E. BRYANT—New Wrinkle, G. E. CO. HART & HEGEMAN. PERKINS—New Wrinkle.

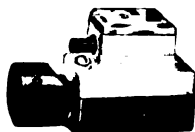
Switch Rosettes: ARROW E—Arrow Forty and Arrow Twenty. BRYANT—New Wrinkle. PASS & SEYMOUR—Fluto.

Sockets and Receptacles: ARROW E—Arrow Forty and Arrow Twenty. BRYANT—New Wrinkle. G. E. CO.—Fluted Catch. PASS & SEYMOUR—Fluto. PERKINS—New Wrinkle.



TYPES CH AND CHC CONDULETS

FOR CUTLER-HAMMER PUSH BUTTON SWITCHES—7102 AND 7103
Furnished with Fastening Screws for Switches



Type CH with Switch



Type CHC with Switch

TYPE CH CONDULETS—Black Enamel Finish



Size in inches	1/2	3/4	1
Catalogue Number	CH1	CH2	CH3
Standard Package	50	35	25
Shipping Weight Std. Pkg.	40 lbs.	35 lbs.	30 lbs.
List Price, each	\$.35	\$.40	\$.45

TYPE CHC CONDULETS—Black Enamel Finish



Size in inches	1/2	3/4	1
Catalogue Number	CHC1	CHC2	CHC3
Standard Package	50	35	25
Shipping Weight Std. Pkg.	50 lbs.	45 lbs.	40 lbs.
List Price, each	\$.45	\$.50	\$.55

Finishes: Black enamel is the standard finish for Condulets, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulets will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulets with plain and special finishes, see page Cross Reference No. CH182.

Black enameled and galvanized Condulets of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH33)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.


TYPES FS, FSA, FSC, FSL AND FSR CONDULET BODIES

SHALLOW TYPE


For Single Push Button, Double Push Button or Flush Rotary Switches (Shallow);
Flush Plug Receptacles (Shallow), and Porcelain or Metal Covers

Over-all Dimensions of Body, Exclusive of Hubs: Length, 4 9-32 Inches; Width, 2 3-4 Inches;
Depth, 1 7-8 Inches. Furnished with Fastening Screws for Fittings


TYPE FS CONDULET BODIES—Black Enamel Finish

	Size in inches	1/2	3/4	1
	Catalogue Number	FS1	FS2	FS3
	Standard Package	75	50	25
	Shipping Weight Std. Pkg..	165 lbs.	120 lbs.	65 lbs.
	List Price, each	\$.65	\$.75	\$.85


TYPE FSA CONDULET BODIES—Black Enamel Finish

	Size in inches	1/2	3/4	1
	Catalogue Number	FSA1	FSA2	FSA3
	Standard Package	50	30	20
	Shipping Weight Std. Pkg..	140 lbs.	75 lbs.	60 lbs.
	List Price, each	\$.65	\$.75	\$.85

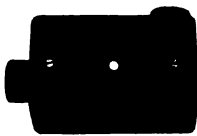
TYPE FSC CONDULET BODIES—Black Enamel Finish

	Size in inches	1/2	3/4	1
	Catalogue Number	FSC11	FSC22	FSC33
	Standard Package	75	50	25
	Shipping Weight Std. Pkg..	175 lbs.	150 lbs.	90 lbs.
	List Price, each	\$.75	\$.90	\$1.10

TYPE FSL CONDULET BODIES—Black Enamel Finish

	Size in inches	1/2	3/4	1
	Catalogue Number	FSL11	FSL22	FSL33
	Standard Package	50	30	20
	Shipping Weight Std. Pkg..	130 lbs.	80 lbs.	60 lbs.
	List Price, each	\$.75	\$.90	\$1.10

TYPE FSR CONDULET BODIES—Black Enamel Finish

	Size in inches	1/2	3/4	1
	Catalogue Number	FSR11	FSR22	FSR33
	Standard Package	50	30	20
	Shipping Weight Std. Pkg..	130 lbs.	80 lbs.	60 lbs.
	List Price, each	\$.75	\$.90	\$1.10

Covers for above Condulet bodies are listed on pages Cross Reference Nos. CH46 and CH47.
Switches or receptacles for above Condulet bodies are enumerated on page Cross Reference No. CH41.
For finishes and assortments see note on page Cross Reference No. CH41. Gasket is listed on page
Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.
(Cross Reference No. CH39)


IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FSLA, FSS, FSCC, FSCA AND FSCT CONDULET BODIES**SHALLOW TYPE**


For Single Push Button, Double Push Button or Flush Rotary Switches (Shallow); Flush Plug Receptacles (Shallow), and Porcelain or Metal Covers

Over-all Dimensions of Body, Exclusive of Hubs: Length, 4 9-32 Inches; Width, 2 3-4 Inches; Depth, 1 7-8 Inches. Furnished with Fastening Screws for Fittings


TYPE FSLA CONDULET BODIES—Black Enamel Finish

	Size in inches	1/2	3/4	1
	Catalogue Number	FSLA11	FSLA22	FSLA33
	Standard Package	50	30	20
	Ship. Weight Std. Pkg.	130 lbs.	80 lbs.	60 lbs.
	List Price, each	\$.75	\$.90	\$1.10


TYPE FSS CONDULET BODIES—Black Enamel Finish

	Size in inches	1/2	3/4	1
	Catalogue Number	FSS11	FSS22	FSS33
	Standard Package	50	30	20
	Ship. Weight Std. Pkg.	130 lbs.	80 lbs.	60 lbs.
	List Price, each	\$.75	\$.90	\$1.10

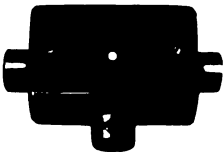
TYPE FSCC CONDULET BODIES—Black Enamel Finish

	Size in inches	1/2 in. main 1/2 inch branches	3/4 in. main 1/2 inch branches	1 in. main 1/2 inch branches
	Catalogue Number	FSCC111	FSCC211	FSCC311
	Standard Package	50	30	20
	Ship. Weight Std. Pkg.	140 lbs.	90 lbs.	70 lbs.
	List Price, each	\$1.00	\$1.20	1.45

TYPE FSCA CONDULET BODIES—Black Enamel Finish

	Size in inches	1/2	3/4	1
	Catalogue Number	FSCA111	FSCA222	FSCA333
	Standard Package	50	30	20
	Ship. Weight Std. Pkg.	140 lbs.	90 lbs.	70 lbs.
	List Price, each	\$1.00	\$1.25	\$1.45

TYPE FSCT CONDULET BODIES—Black Enamel Finish

	Size in inches	1/2	3/4	1
	Catalogue Number	FSCT111	FSCT222	FSCT333
	Standard Package	50	30	20
	Ship. Weight Std. Pkg.	140 lbs.	90 lbs.	70 lbs.
	List Price, each	\$1.00	\$1.25	\$1.45

Covers for above Condulet bodies are listed on pages Cross Reference Nos. CH46 and CH47. Switches or receptacles for above Condulet bodies are enumerated on page Cross Reference No. CH41. For finishes and assortments see note on page Cross Reference No. CH41. Gasket is listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH40)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

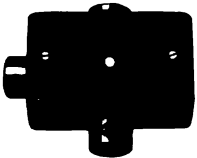
TYPES FST AND FSX CONDULET BODIES

SHALLOW TYPE

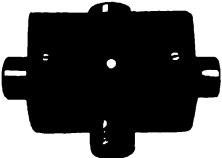
For Single Push Button, Double Push Button or Flush Rotary Switches (Shallow);
Flush Plug Receptacles (Shallow), and Porcelain or Metal Covers

Over-all Dimensions of Body, Exclusive of Hubs: Length, 4 9-32 Inches; Width, 2 3-4 Inches;
Depth, 1 7-8 Inches. Furnished with Fastening Screws for Fittings

TYPE FST CONDULET BODIES—Black Enamel Finish

	Size in inches	1/2	3/4	1
	Catalogue Number	FST111	FST222	FST333
	Standard Package	50	30	20
	Shipping Weight Std. Pkg...	140 lbs.	90 lbs.	70 lbs.
	List Price, each	\$1.00	\$1.25	\$1.45

TYPE FSX CONDULET BODIES—Black Enamel Finish

	Size in inches	1/2	3/4	1
	Catalogue Number	FSX1111	FSX2222	FSX3333
	Standard Package	50	30	20
	Shipping Weight Std. Pkg...	160 lbs.	100 lbs.	75 lbs.
	List Price, each	\$1.20	\$1.50	\$1.70

Switches and receptacles suitable for the FS series of Condulet bodies are as follows:

Single Push Button Switches: PERKINS—2457, 2458, 2459, 2460, 2461, 2462, 2491, 2492, 2493, 2494.

Double Push Button Switches: ARROW E—6500, 6501, 6502, 6503. DIAMOND H—050, 060, 070, 080. G. E. CO.—68247, 68248, 68249, 68250. HART & HEGEMAN—2081, 2082, 2083, 2084. CUTLER—"S-F." MACHEN & MAYER—2000, 2001, 2002, 2003. KNOWLES—2971, 2972, 2973, 2974. PERKINS—2201, 2202, 2203, 2204. CUTLER-HAMMER CO.—7201, 7202, 7203.

Double Push Button Lock Switches: ARROW E—6504, 6505, 6506, 6507. DIAMOND H—055, 065, 075, 085. G. E. CO.—GE688, GE689, GE690, GE691. HART & HEGEMAN—2081, 2082, 2083, 2084. MACHEN & MAYER—2004, 2005, 2006, 2007, 2008. KNOWLES—12971, 12972, 12973, 12974. PERKINS—2295, 2296, 2297, 2298.

Double Push Button, Removable Mechanism, Switches: G. E. CO.—GE731, GE732, GE733. PERKINS—2519, 2520, 2521, 2522, 2523, 2524.

Double Push Button, Removable Mechanism, Lock Switches: G. E. CO.—GE684, GE685, GE686. PERKINS—2519, 2520, 2521, 2525, 2526, 2527.

Flush Rotary Switches: ARROW E—6250, 6251, 6252, 6253, 6254, 6255, 6256, 6257. DIAMOND H—0105, 0110, 0120, 0130, 0140, 0150, 0160. G. E. CO.—60468, 60469, 60470, 60473, 60475, 60476, 60477, 60478, 60479, 60480. HART & HEGEMAN—600, 601, 602, 603, 604, 2263. PERKINS—2205, 2206, 2207, 2208, 2209, 2210, 2224, 2325.

Flush Plug Receptacles: ARROW E—1064. MACHEN & MAYER—2042, 4355. PERKINS—281, 1363, 1708. HUBBELL—5547, 5552, 5579. TRUMBULL—1005, 1008. G. E. CO.—36817.

Removable Flush Wall Receptacles: G. E. CO.—GE692. PERKINS—2520, 2528.

Double Door Flush Receptacle: G. E. CO.—GE287.

Proper fastening screws are furnished with covers, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Covers for above Condulet bodies are listed on pages Cross Reference Nos. CH46 and CH47. Gasket is listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH41)

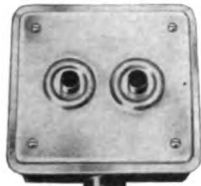
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES FS, FSC AND FSD CONDULET BODIES

TWO-GANG, SHALLOW TYPE

For Single Push Button, Double Push Button or Flush Rotary Switches (Shallow), and Blank Metal Covers

Over-all Dimensions of Body, Exclusive of Hubs: Length, 4 5/8 Inches; Width, 4 9/32 Inches; Depth, 1 7/8 Inches. Furnished with Fastening Screws for Fittings



Two-Gang Type FS with Cover for Single Push Button Switches



Two-Gang Type FS with Cover for Flush Rotary Switches (Broken-away View, Showing Switches Mounted)



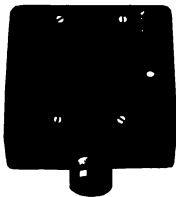
Two-Gang Type FS with Cover for Flush Rotary Switches



Two-Gang Type FSD with Blank Metal Cover

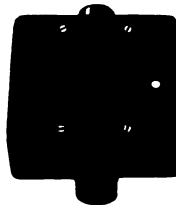


Two-Gang Type FSC with Cover for Double Push Button Switches



TWO-GANG TYPE FS CONDULET BODIES—Black Enamel Finish

Size in inches	1/2 in. main	3/4 in. main	1 in. main
Catalogue Number	FS12	FS22	FS32
Standard Package	50	25	15
Shipping Weight Std. Pkg..	140 lbs.	90 lbs.	50 lbs.
List Price, each	\$1.20	\$1.30	\$1.40



TWO-GANG TYPE FSC CONDULET BODIES—Black Enamel Finish

Size in inches	1/2 in. mains	3/4 in. mains	1 in. mains
Catalogue Number	FSC112	FSC222	FSC332
Standard Package	50	25	15
Shipping Weight Std. Pkg..	150 lbs.	100 lbs.	60 lbs.
List Price, each	\$1.30	\$1.40	\$1.55



TWO-GANG TYPE FSD CONDULET BODIES—Black Enamel Finish

Size in inches	1/2 in. main 1/2 in. branches	3/4 in. main 1/2 in. branches	1 in. main 1/2 in. branches
Catalogue Number	FSD1112	FSD2112	FSD3112
Standard Package	50	25	15
Shipping Weight Std. Pkg..	160 lbs.	110 lbs.	70 lbs.
List Price, each	\$1.45	\$1.55	\$1.65

Covers for above Condulet bodies are listed on page Cross Reference No. CH48. Switches for above Condulet bodies are enumerated on page Cross Reference No. CH41. For finishes and assortments, see note on page Cross Reference No. CH45. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH42)

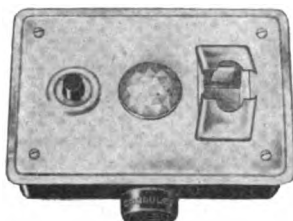
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES FS, FSC AND FSD CONDULET BODIES

THREE-GANG, SHALLOW TYPE

For Single Push Button, Double Push Button or Flush Rotary Switches (Shallow); Bryant Heater Control Combination 398 (less Plate), and Blank Metal Covers

Over-all Dimensions of Body, Exclusive of Hubs: Length, 6 1-2 Inches; Width, 4 9-32 Inches; Depth, 1 7-8 Inches. Furnished with Fastening Screws for Fittings



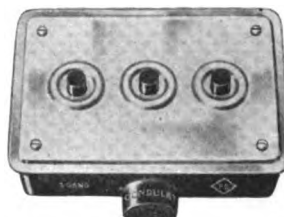
Three-Gang Type FS with Crouse-Hinds Cover for Bryant Heater Control Combination 398



Three-Gang Type FSC with Cover for Flush Rotary Switches



Three-Gang Type FS with Cover for Single Push Button Switches (Broken-away View, Showing Switches Mounted)



Three-Gang Type FS with Cover for Single Push Button Switches



Three-Gang Type FSD with Cover for Double Push Button Switches

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

THREE-GANG TYPE FS CONDULET BODIES

Black Enamel Finish



Size in inches	$\frac{1}{2}$ in. main	$\frac{3}{4}$ in. main	1 in. main
Catalogue Number . . .		FS23	FS33
Standard Package . . .	Not	20	10
Ship. Wt. Std. Pkg. . .	Practical	110 lbs.	60 lbs.
List Price, each		\$1.80	\$1.95

THREE-GANG TYPE FSC CONDULET BODIES

Black Enamel Finish



Size in inches	$\frac{1}{2}$ in. mains	$\frac{3}{4}$ in. mains	1 in. mains
Catalogue Number . . .		FSC223	FSC333
Standard Package . . .	Not	20	10
Ship. Wt. Std. Pkg. . .	Practical	115 lbs.	65 lbs.
List Price, each		\$1.90	\$2.05

THREE-GANG TYPE FSD CONDULET BODIES

Black Enamel Finish



Size in inches	$\frac{1}{2}$ in. main $\frac{1}{2}$ in. branches	$\frac{3}{4}$ in. main $\frac{1}{2}$ in. branches	1 in. main $\frac{1}{2}$ in. branches
Catalogue Number . . .	FSD11113	FSD21113	FSD31113
Standard Package . . .	35	20	10
Ship. Wt. Std. Pkg. . .	190 lbs.	120 lbs.	65 lbs.
List Price, each	\$1.95	\$2.15	\$2.30

Covers for above Condulet bodies are listed on page Cross Reference No. CH48. Switches for above Condulet bodies are enumerated on page Cross Reference No. CH41. For finishes and assortments, see note on page Cross Reference No. CH45. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH43)

TYPES FS, FSC AND FSD CONDULET BODIES**FOUR-GANG, SHALLOW TYPE**

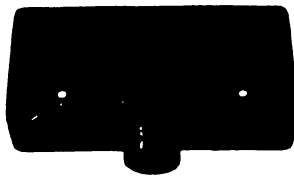
For Single Push Button, Double Push Button or Flush Rotary Switches (Shallow), or Combinations for Heater Unit Service, Consisting of Clamp Receptacles and Switches and Plug Receptacles—Shallow

Over-all Dimensions of Body, Exclusive of Hubs: Length, 8 3-8 Inches; Width, 4 9-32 Inches; Depth, 1 7-8 Inches. Furnished with Fastening Screws for Fittings

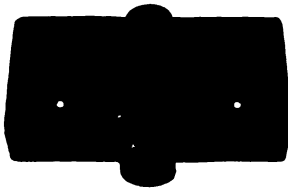


Four-Gang Type FS with Cover for Double Push Button Switches
(Broken-away View, Showing Switches Mounted)

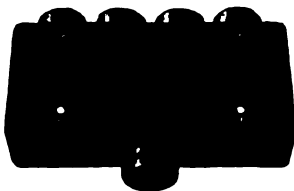
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

**FOUR-GANG TYPE FS CONDULET BODIES****Black Enamel Finish**

Size in inches.....	1/2 in. main	3/4 in. main	1 in. main
Catalogue Number	Not	FS24	FS34
Standard Package.	Practical	20	10
Weight Std. Pkg..		125 lbs.	70 lbs.
List Price, each...		\$2.20	\$2.40

**FOUR-GANG TYPE FSC CONDULET BODIES****Black Enamel Finish**

Size in inches.....	1/2 in. mains	3/4 in. mains	1 in. mains
Catalogue Number	Not	FSC224	FSC334
Standard Package.	Practical	20	10
Weight Std. Pkg..		130 lbs.	75 lbs.
List Price, each...		\$2.35	\$2.50

**FOUR-GANG TYPE FSD CONDULET BODIES****Black Enamel Finish**

Size in inches.....	1/2 in. main 1/2 in. branches	3/4 in. main 1/2 in. branches	1 in. main 1/2 in. branches
Catalogue Number	FSD111114	FSD211114	FSD311114
Standard Package.	25	20	10
Weight Std. Pkg..	180 lbs.	150 lbs.	85 lbs.
List Price, each...	\$2.60	\$2.85	\$3.10

Proper fastening screws are furnished with covers, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

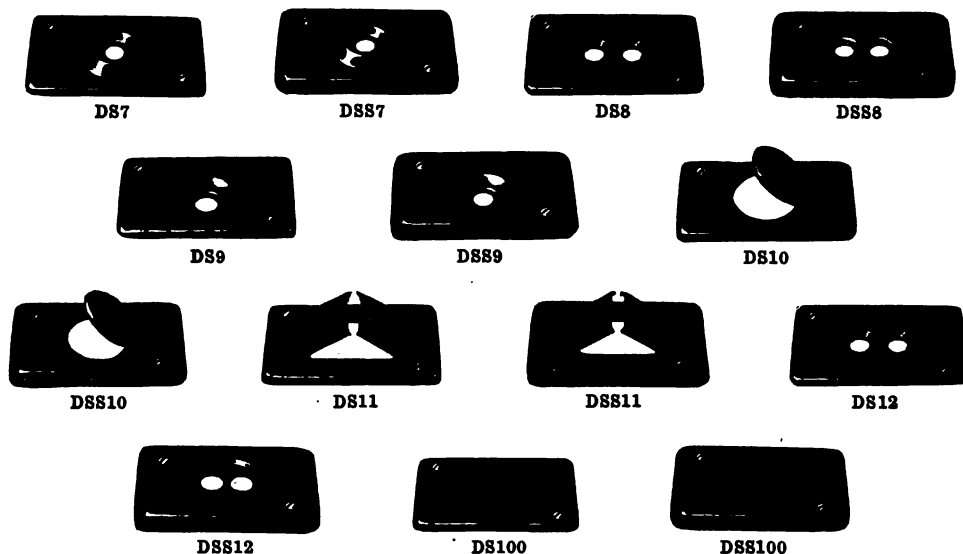
Covers for above Condulet bodies are listed on page Cross Reference No. CH49. Crouse-Hinds clamp receptacle C337, listed on page Cross Reference No. CH190, can be used with the above Condulet bodies. Other suitable clamp receptacles are enumerated on page Cross Reference No. CH95. Plug receptacles and switches for above Condulet bodies are enumerated on page Cross Reference No. CH41. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH45)

CONDULET COVERS

FOR FD AND FS SERIES OF CONDULET BODIES

Furnished with Fastening Screws



Style of Cover	Surface Type	Flush Type	Style of Cover	Surface Type	Flush Type
Standard Package.....	75	75	Standard Package.....	75	75

COVERS FOR SWITCHES AND PLUG RECEPTACLES, AND BLANK METAL COVERS
Black Enamel Finish

For Single Push Button Switch	Cat. No.. List, ea...	DS7 \$.10	DSS7 \$.10	For Rectangular Plug Receptacle	Cat. No.. List, ea...	DS11 \$.80	DSS11 \$.80
For Double Push Button Switch	Cat. No.. List, ea...	DS8 \$.10	DSS8 \$.10	For Hubbell Polarity Plug Receptacle 5552	Cat. No.. List, ea...	DS12 \$.20	DSS12 \$.20
For Flush Rotary Switch	Cat. No.. List, ea...	DS9 \$.10	DSS9 \$.10	Blank Metal	Cat. No.. List, ea...	DS100 \$.10	DSS100 \$.10
For Round Plug Receptacle	Cat. No.. List, ea...	DS10 \$.60	DSS10 \$.60	Cast Iron	Cat. No.. List, ea...	DS100g \$.25	DSS100g \$.25
Shipping Weight Std. Pkg.		30 lbs.	35 lbs.	Shipping Weight Std. Pkg.		35 lbs.	40 lbs.

Proper fastening screws are furnished with covers, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for metal covers, and will be furnished unless another finish is specified on the order. Galvanized finish will be furnished, if specifically ordered, at the same price as black enamel finish. For special plated finishes, brass and bronze covers with plain and special finishes, see page Cross Reference No. CH182.

White enamel finish will be furnished on metal covers, if specifically ordered, at 50% increase over list price of black enamel finish.

All black enameled, galvanized and porcelain covers, listed on this and the following page, may be assorted to make up a standard package.

Condulet bodies that take above covers are listed on pages Cross Reference Nos. CH35, CH36, CH37, CH39, CH40 and CH41.

(Cross Reference No. CH46)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDULET GANG COVERS

FOR TWO AND THREE-GANG TYPES FS, FSC AND FSD CONDULET BODIES

Furnished with Fastening Screws



S72



S82



SS92



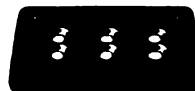
SS1002

COVERS FOR TWO-GANG CONDULET BODIES—Black Enamel Finish

Style of Cover		Surface Type	Flush Type	Style of Cover		Surface Type	Flush Type
Standard Package.....		50	50	Standard Package.....		50	50
For Single Push Button Switches	Cat. No..	S72	SS72	For Flush Rotary Switches	Cat. No..	S92	SS92
	List, ea...	\$.20	\$.20		List, ea...	\$.20	\$.20
For Double Push Button Switches	Cat. No..	S82	SS82	Blank Metal	Cat. No..	S1002	SS1002
	List, ea...	\$.20	\$.20		List, ea...	\$.20	\$.20
Shipping Weight Std. Pkg.		30 lbs.	35 lbs.	Shipping Weight Std. Pkg.		30 lbs.	35 lbs.



SS73



SS83



S93



SS7113



S1003

COVERS FOR THREE-GANG CONDULET BODIES—Black Enamel Finish

Style of Cover		Surface Type	Flush Type	Style of Cover		Surface Type	Flush Type
Standard Package.....		35	35	Standard Package.....		35	35
For Single Push Button Switches	Cat. No..	S73	SS73	Crouse-Hinds Cover for Bryant Heater Control Combination 398 less Bryant Plate	Cat. No..	S7113	SS7113
	List, ea...	\$.40	\$.40		List, ea...	\$1.45	\$1.45
For Double Push Button Switches	Cat. No..	S83	SS83	Blank Metal	Cat. No..	S1003	SS1003
	List, ea...	\$.40	\$.40		List, ea...	\$.40	\$.40
For Flush Rotary Switches	Cat. No..	S93	SS93	Shipping Weight Std. Pkg.		40 lbs.	45 lbs.
Shipping Weight Std. Pkg.		30 lbs.	35 lbs.	Shipping Weight Std. Pkg.		40 lbs.	45 lbs.

Proper fastening screws are furnished with covers, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for metal covers, and will be furnished unless another finish is specified on the order. Galvanized finish will be furnished, if specifically ordered, at same price as black enamel finish. For special plated finishes, brass and bronze covers with plain and special finishes, see page Cross Reference No. CH182.

White enamel finish will be furnished on metal covers, if specifically ordered, at 50% increase over list price of black enamel finish.

All black enameled and galvanized covers for Two-Gang FS series Condulet bodies may be assorted to make up a standard package.

All black enameled and galvanized covers for Three-Gang FS series Condulet bodies may be assorted to make up a standard package.

Condulet bodies that take Three-gang Covers are listed on page Cross Reference No. CH43.

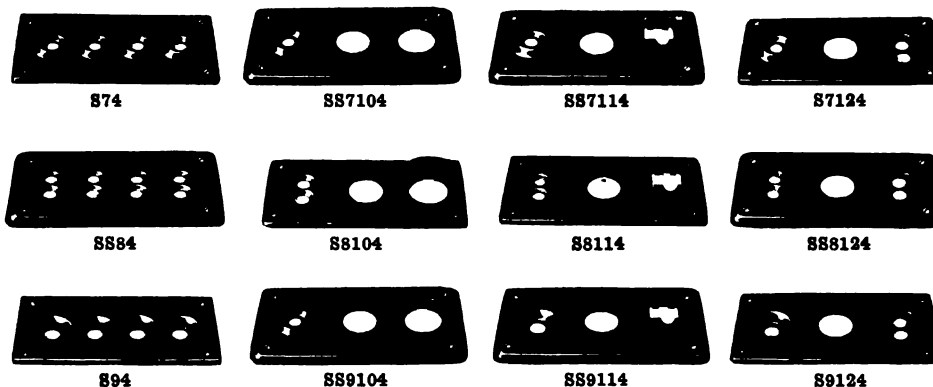
(Cross Reference No. CH48)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDULET GANG COVERS

FOR FOUR-GANG TYPES FS, FSC AND FSD CONDULET BODIES

Furnished with Fastening Screws



COVERS FOR FOUR-GANG CONDULET BODIES—Black Enamel Finish

Style of Cover			Surface Type	Flush Type	Style of Cover			Surface Type	Flush Type
Standard Package.....			25	25	Standard Package.....			25	25
For Flush Switches	Single Push Button	Cat. No.. List, ea..	S74 \$.60	SS74 \$.60	For Clamp Receptacle, Rectang. Attach. Plug Receptacle	And Single Push Button Switch	Cat. No.. List, ea..	S7114 \$1.10	SS7114 \$1.10
	Double Push Button	Cat. No.. List, ea..	S84 \$.60	SS84 \$.60		And Double Push Button Switch	Cat. No.. List, ea..	S8114 \$1.10	SS8114 \$1.10
	Flush Rotary	Cat. No.. List, ea..	S94 \$.60	SS94 \$.60		And Flush Rotary Switch	Cat. No.. List, ea..	S9114 \$1.10	SS9114 \$1.10
For Clamp Receptacle, Round Attachment Plug Receptacle	And Single Push Button Switch	Cat. No.. List, ea..	S7104 \$.85	SS7104 \$.85	For Clamp Receptacle, Round Attachment Plug Receptacle	And Single Push Button Switch	Cat. No.. List, ea..	S7124 \$.70	SS7124 \$.70
	And Double Push Button Switch	Cat. No.. List, ea..	S8104 \$.85	SS8104 \$.85		And Double Push Button Switch	Cat. No.. List, ea..	S8124 \$.70	SS8124 \$.70
	And Flush Rotary Switch	Cat. No.. List, ea..	S9104 \$.85	SS9104 \$.85		And Flush Rotary Switch	Cat. No.. List, ea..	S9124 \$.70	SS9124 \$.70
Weight Std. Pkg.....			35 lbs.	45 lbs.	Blank Metal			S1004 \$.60	SS1004 \$.60
Weight Std. Pkg.....			35 lbs.	45 lbs.	Weight Std. Pkg.....			40 lbs.	50 lbs.

Proper fastening screws are furnished with covers, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for metal covers, and will be furnished unless another finish is specified on the order. Galvanized finish will be furnished, if specifically ordered, at same price as black enamel finish. For special plated finishes, brass and bronze covers with plain and special finishes, aluminum covers with plain and black enamel finish, see page Cross Reference No. CH182.

All black enameled and galvanized covers for Four-Gang FS series of Condulet bodies may be assorted to make up a standard package regardless of style of cover. No other assortment of covers only is allowed.

Standard package discount is allowed on covers when an order is for a standard package of Condulet bodies and an equal number of covers for those bodies. This note also applies to covers listed on pages, Cross Reference Nos. CH46, CH47 and CH48.

White enamel finish will be furnished on metal covers, if specifically ordered, at 50% increase over list price of black enamel finish.

Condulet bodies that take above covers are listed on page Cross Reference No. CH45.

(Cross Reference No. CH49)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE FF CONDULETS

SERVICE ENTRANCE, FUSED AND WEATHER-PROOF

For 250 Volt Cartridge or 125 Volt Plug Fuse Cut-outs

Furnished with Universal Cut-out Fastening Plate, Porcelain Bushings and all necessary Bolts and Screws, but without Cut-out

For 30 Ampere, 250 Volt Cartridge or 125 Volt Plug Fuse, N. E. C. Main Line Cut-outs—Cut-outs not Furnished

Style of Cut-out	Size in inches	1/2	3/4	1
2-wire or 3-wire	Catalogue Number	FF13022	FF23022	FF33022
	Standard Package	20	20	10
	Weight Std. Pkg.	200 lbs.	230 lbs.	140 lbs.
	List Price, each	\$3.90	\$4.00	\$4.10
Style of Cut-out	Size in inches	3/4	1	1 1/4
4-wire	Catalogue Number	FF23042	FF33042	FF43042
	Standard Package	20	10	10
	Weight Std. Pkg.	280 lbs.	180 lbs.	195 lbs.
	List Price, each	\$4.75	\$4.90	\$5.10

For 60 Ampere, 250 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished

	Style of Cut-out	1	1 1/4	Size in inches	Style of Cut-out	1	1 1/4
	2-wire or 3-wire	FF36022	FF46022	...Cat. No....	4-wire	FF36042	FF46042
		10	10	...Std. Pkg....		10	10
		170 lbs.	185 lbs.	...Wt. Std. Pkg....		195 lbs.	210 lbs.
		\$5.00	\$5.10	...List, each...		\$6.85	\$7.00

For 100 Ampere, 250 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished

Style of Cut-out	1	1 1/2	2	Size in inches	Style of Cut-out	1 1/4	1 1/2	2
2-wire or 3-wire	FF310022	FF510022	FF610022	...Cat. No....	4-wire	FF410042	FF510042	FF610042
	10	5	5	...Std. Pkg....		10	5	5
	250 lbs.	145 lbs.	150 lbs.	...Wt. Std. Pkg....		300 lbs.	175 lbs.	170 lbs.
	\$9.90	\$10.30	\$10.50	...List, each...		\$12.10	\$12.30	\$12.50

The universal cut-out fastening plates, furnished with the Condulets, take the following cut-outs:

30 Ampere, 250 Volt, Cartridge and 125 Volt, Plug Fuse Cut-outs

2-Wire: BRYANT—(Cartridge) 1917, (Plug) 62965. D. & W.—(Cartridge) 91102. G. E. CO.—(Cartridge) 34367, (Plug) 62965. NOARK—(Cartridge) 3327. PAISTE—(Cartridge) 72965, (Plug) 2965. SHAWMUT—(Cartridge) 2077. TRUMBULL—(Cartridge) 29653, (Plug) 2965. WEBER—(Plug) 62965. UNION—(Cartridge) 2010.

3-Wire: BRYANT—(Cartridge) 1924, (Plug) 62165. D. & W.—(Cartridge) 91103. G. E. CO.—(Cartridge) 34372, (Plug) 62165. NOARK—(Cartridge) 3328. PAISTE—(Cartridge) 72165, (Plug) 2165. SHAWMUT—(Cartridge) 2079. TRUMBULL—(Cartridge) 21653, (Plug) 2165. WEBER—(Plug) 62165. UNION—(Cartridge) 2012.

4-Wire: Mount two 2-wire cut-outs side by side.

60 Ampere, 250 Volt, Cut-outs

2-Wire: BRYANT—(Cartridge) 1918. D. & W.—(Cartridge) 91108. G. E. CO.—(Cartridge) 34376. NOARK—(Cartridge) 3329. PAISTE—(Cartridge) 82965. SHAWMUT—(Cartridge) 2078. TRUMBULL—(Cartridge) 29656. UNION—(Cartridge) 2011.

3-Wire: BRYANT—(Cartridge) 1925. D. & W.—(Cartridge) 91109. G. E. CO.—(Cartridge) 34377. NOARK—(Cartridge) 3330. PAISTE—(Cartridge) 82165. SHAWMUT—(Cartridge) 2080. TRUMBULL—(Cartridge) 21656. UNION—(Cartridge) 2013.

4-Wire: Mount two 2-wire cut-outs side by side.

100 Ampere, 250 Volt, Cut-outs

2-Wire: BRYANT—(Cartridge) 271. D. & W.—(Cartridge) 91119. G. E. CO.—(Cartridge) 36801. NOARK—(Cartridge) 3331. SHAWMUT—(Cartridge) 2101. UNION—(Cartridge) 2014.

3-Wire: BRYANT—(Cartridge) 272. D. & W.—(Cartridge) 91120. G. E. CO.—(Cartridge) 36800. NOARK—(Cartridge) 3332. SHAWMUT—(Cartridge) 2102. UNION—(Cartridge) 2015.

4-Wire: Mount two 2-wire cut-outs side by side.

Padlock is not included in prices for Condulets.

For finishes and assortments, see note on page Cross Reference No. CH57.

Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH51)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

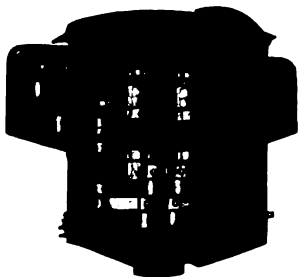
TYPE FF CONDULETS

SERVICE ENTRANCE

Fused and Weather-Proof—For 250 Volt Cartridge Fuse Cut-outs

Furnished Complete with Crouse-Hinds Slate Base Cut-outs, but without Fuses

Complete with 200 Ampere, 250 Volt, N. E. C. Main Line Cartridge Fuse Cut-outs

	Style of Cut-out	Size in inches	1¼	1½
	2-wire	Catalogue No.... Standard Package. Ship. Wt. Std. Pkg. List Price, each ..	FF420022 5 On request	FF520022 5 On request
	Style of Cut-out	Size in inches	2	2½
	2-wire	Catalogue No.... Standard Package. Ship. Wt. Std. Pkg. List Price, each ..	FF620022 5 On request	FF720022 5 On request

Furnished complete, except Fuses and Padlock

Style of Cut-out	Size in inches	1¼	1½	2	2½
3-wire	Catalogue Number	FF420032	FF520032	FF620032	FF720032
	Standard Package	5	5	5	5
	Shipping Weight Std. Pkg..	On request	On request	On request	On request
	List Price, each	On request	On request	On request	On request
Style of Cut-out	Size in inches	1½	2	2½	3
4-wire	Catalogue Number	FF520042	FF620042	FF720042	FF820042
	Standard Package	5	5	5	5
	Shipping Weight Std. Pkg..	On request	On request	On request	On request
	List Price, each	On request	On request	On request	On request

Complete with 400 Ampere, 250 Volt, N. E. C. Main Line Cartridge Fuse Cut-outs

Style of Cut-out	Size in inches	2	2½	3	3½
2-wire	Catalogue Number	FF640022	FF740022	FF840022	FF940022
	Standard Package	5	5	5	5
	Shipping Weight Std. Pkg..	On request	On request	On request	On request
	List Price, each	On request	On request	On request	On request
Style of Cut-out	Size in inches	2	2½	3	3½
3-wire	Catalogue Number	FF640032	FF740032	FF840032	FF940032
	Standard Package	5	5	5	5
	Shipping Weight Std. Pkg..	On request	On request	On request	On request
	List Price, each	On request	On request	On request	On request
Style of Cut-out	Size in inches	2½	3	3½	4
4-wire	Catalogue Number	FF840042	FF940042	FF1040042	
	Standard Package	5	5	5	
	Shipping Weight Std. Pkg..	On request	On request	On request	On request
	List Price, each	On request	On request	On request	On request

Slate base cut-outs, without fuses, are included in above list prices.

Padlock is not included in prices for Condulets.

For finishes and assortments, see note on page Cross Reference No. CH57.

Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH52)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE FF CONDULETS

SERVICE ENTRANCE

Fused and Weather-Proof—For 250 Volt Cartridge Fuse Cut-outs

Furnished Complete with Crouse-Hinds Slate Base Cut-outs, but without Fuses

Complete with 600 Ampere, 250 Volt, N. E. C. Main Line Cartridge Fuse Cut-outs

Style of Cut-out	Size in inches..	3	3½	4
2-wire	Cat. No.....	FF860022	FF960022	FF1060022
	Std. Pkg.....	5	5	5
	Wt. Std. Pkg..	On request	On request	On request
	List Price, ea..	On request	On request	On request
Style of Cut-out	Size in inches..	3	3½	4
3-wire	Cat. No.....	FF860032	FF960032	FF1060032
	Std. Pkg.....	5	5	5
	Wt. Std. Pkg..	On request	On request	On request
	List Price, ea..	On request	On request	On request
Style of Cut-out	Size in inches..	3	3½	4
4-wire	Cat. No.....	FF860042	FF960042	FF1060042
	Std. Pkg.....	5	5	5
	Wt. Std. Pkg..	On request	On request	On request
	List Price, ea..	On request	On request	On request

Slate base cut-outs, without fuses, are included in prices for Condulets that take 600 ampere, 250 volt cut-outs.

Fused and Weather-Proof—Type FF—For 600 Volt Cartridge Fuse Cut-outs

Furnished with Universal Cut-out Fastening Plates, Porcelain Bushings and all necessary Bolts and Screws, but without Cut-outs

For 30 Ampere, 600 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished

Style of Cut-out	Size in inches..	1/2	3/4	1
2-wire	Cat. No.....	FF13026	FF23026	FF33026
	Std. Pkg.....	20	20	10
	Wt. Std. Pkg..	320 lbs.	330 lbs.	180 lbs.
	List Price, ea..	\$4.65	\$4.75	\$4.85
Style of Cut-out	Size in inches..	1/2	3/4	1
3-wire or 4-wire	Cat. No.....	FF13036	FF23036	FF33036
	Std. Pkg.....	20	20	10
	Wt. Std. Pkg..	400 lbs.	410 lbs.	220 lbs.
	List Price, ea..	\$6.20	\$8.50	\$8.60

For 60 Ampere, 600 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished

Style of Cut-out	1	1¼	Size in inches..	Style of Cut-out	1	1¼	1½
	FF36026	FF46026			FF36036	FF46036	FF56036
2-wire	10	10	....Cat. No....	3-wire or 4-wire	10	10	5
	210 lbs.	220 lbs.	....Std. Pkg....		320 lbs.	330 lbs.	340 lbs.
	\$8.70	\$9.00	..Wt. Std. Pkg..		\$12.75	\$13.00	\$13.25
			List Price, each.				

In listing 2, 3 or 4-wire, 600 volt, type FF Condulets, it is intended that two, three or four 1-wire cut-outs, respectively, be mounted side by side.
The universal cut-out fastening plates, furnished with the above Condulets, take the following cut-outs:

1-Wire, 30 Ampere, 600 Volt Cut-outs: BRYANT—(Cartridge) 1937. D. & W.—(Cartridge) 28076. G. E. CO.—(Cartridge) 34991. NOARK—(Cartridge) 5600. SHAWMUT—(Cartridge) 20735. UNION—(Cartridge) 4003.

1-Wire, 60 Ampere, 600 Volt Cut-outs: BRYANT—(Cartridge) 1938. D. & W.—(Cartridge) 28077. G. E. CO.—(Cartridge) 35101. NOARK—(Cartridge) 5601. SHAWMUT—(Cartridge) 20745. UNION—(Cartridge) 4004.

Padlock is not included in prices for Condulets. For finishes and assortments, see note on page Cross Reference No. CH57.

(Cross Reference No. CH53)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES FH AND FHF CONDULET BODIES

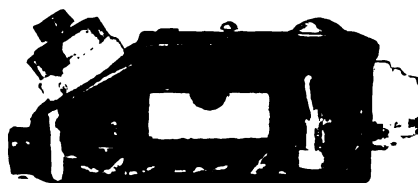
FOR CONTROL OF HEATING DEVICES

Type FH is Furnished with Crouse-Hinds Receptacle C337G, Adjustable Bar for Round Base Switch or Plug Receptacle and all necessary Fastening Screws

Type FHF is furnished with Pilot Lamp Receptacle, Universal Cut-out Fastening Plate, Adapting Rings and Adjustable Bars for Switch and Attachment Plug Receptacle, Jewel in Cover and all necessary Bolts and Screws





Type FH
Showing Snap Switch, Flush Plug Receptacle,
Cover DS10, Crouse-Hinds Receptacle C337G
with Guard and Incandescent
Lamp Mounted




Type FHF
Showing Snap Switch, Cut-out, Incandescent Lamp
and Attachment Plug Receptacle Mounted
(Broken-away View)

TYPE FH CONDULET BODIES—Black Enamel Finish

	Form 10	Size in inches.....	1/2	3/4	1
		Catalogue Number..	FH110	FH210	FH310
		Standard Package...	15	15	10
		Ship. Wt. Std. Pkg..	95 lbs.	100 lbs.	75 lbs.
		List Price, each	\$2.50	\$2.60	\$2.70
	Form 20	Size in inches.....	1/2	3/4	1
		Catalogue Number..	FH120	FH220	FH320
		Standard Package...	15	15	10
		Ship. Wt. Std. Pkg..	120 lbs.	125 lbs.	90 lbs.
		List Price, each	\$3.00	\$3.10	\$3.20

TYPE FHF CONDULET BODIES—Black Enamel Finish

	Size in inches.....	1/2	3/4
	Catalogue Number.....	FHF120	FHF220
	Standard Package.....	15	15
	Ship. Wt. Std. Pkg.....	130 lbs.	130 lbs.
	List Price, each	\$4.65	\$4.75

The adjustable bars and adapting rings furnished with each Condulet permit the proper mounting of any switch or Form 5 or Form 10, (or in case of type FHF Condulet, any Form 20) attachment plug receptacle enumerated on pages Cross Reference Nos. CH62 and CH63.

The universal cut-out fastening plate, furnished with each type FHF Condulet, takes any of the following 2-wire, 30 ampere, 250 volt cartridge, or 2-wire, 30 ampere, 125 volt, plug fuse cut-outs:

BRYANT—(Cartridge) 1917, (Plug) 62965. D. & W.—(Cartridge) 91102. G. E. CO.—(Cartridge) 34387, (Plug) 62965. NOARK—(Cartridge) 3327. PAISTE—(Cartridge) 72965, (Plug) 2965. SHAWMUT—(Cartridge) 2077. TRUMBULL—(Cartridge) 29653, (Plug) 2965. WEBER—(Plug) 62965. UNION—(Cartridge) 2010.

Type FHF Condulets are designed to take style H (bulb 89) lamp.

Type FH Condulet bodies take covers DS7, DS8, DS9, DS10, DS11 and DS12, listed on page Cross Reference No. CH46. Receptacle C337G is listed separately on page Cross Reference No. CH190. Condulet reducers are listed on page Cross Reference No. CH171.

For finishes and assortments, see note on page Cross Reference No. CH57.

(Cross Reference No. CH55a)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

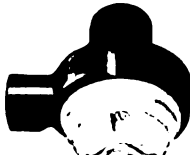
TYPES G, GA, GL, GLA, GT, GTA, GX, GXA, GXB, H, HA, HH, HHC AND HLA CONDULETS

Take Round Covers; 5, 10 or 20 Ampere Round Base Switches, or Round Base Fittings

Furnished with Adjustable Bar and all necessary Fastening Screws



Type GTA
Showing 2-Wire Hole
Porcelain Cover Mounted



Type GL
Showing Female Nipple
Porcelain Cover Mounted



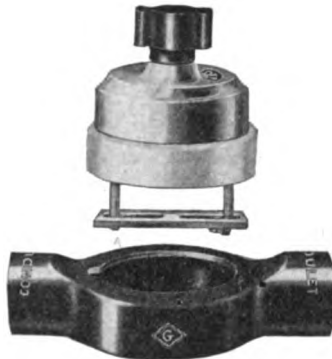
Type HA
Showing 3-Wire Hole
Porcelain Cover Mounted



Type GXA
Showing Male Nipple
Porcelain Cover Mounted



Type H
Showing Female Nipple
Metal Cover Mounted



Type G with Snap Switch
(Exploded View, Showing Adjustable Bar)



Type GX
Showing Male Nipple
Metal Cover Mounted



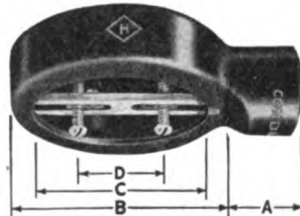
Type HHC
Showing Snap Switch
Mounted



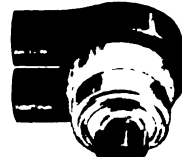
Type HLA
Showing 1-Wire Hole
Porcelain Cover Mounted



Type GT
Showing Receptacle Mounted



Dimensional Drawing for G and H Series of Conduit Bodies



Type HH
Showing Snap Switch
Mounted



Type GA
Showing Snap Switch
Mounted



Type GLA
Showing Female Nipple
Porcelain Cover Mounted

Size	Dimen.	Form 5	Form 10	Form 20
$\frac{1}{2}$ "	A	$\frac{7}{8}$ "	1"	$\frac{7}{8}$ "
$\frac{3}{4}$ "	A	$1\frac{1}{2}$ "	$1\frac{3}{4}$ "	$1\frac{3}{8}$ "
1"	A	$1\frac{1}{4}$ "	$1\frac{3}{2}$ "	$1\frac{1}{4}$ "
$\frac{1}{2}, \frac{3}{4}, 1$ "	B	$2\frac{5}{8}$ "	3"	$3\frac{3}{4}$ "
$\frac{1}{2}, \frac{3}{4}, 1$ "	C	$1\frac{3}{4}$ "	$2\frac{1}{8}$ "	$2\frac{3}{4}$ "
$\frac{1}{2}, \frac{3}{4}, 1$ "	D	$\frac{1}{2}$ to $1\frac{1}{2}$ "	$\frac{1}{2}$ to $1\frac{1}{8}$ "	$\frac{1}{2}$ to $2\frac{1}{8}$ "

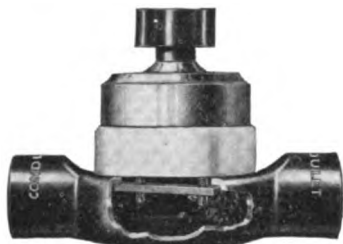
Switches and fittings for above Conduit bodies are enumerated on pages Cross Reference Nos. CH62 and CH63. Gaskets are listed on page Cross Reference No. CH176. Conduit reducers are listed on page Cross Reference No. CH171. Covers for Conduit bodies of the G and H series are listed on page Cross Reference No. CH61. Conduit bodies of the G and H series are listed on pages Cross Reference Nos. CH57 to CH60, inclusive. (Cross Reference No. CH56)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES G AND GA CONDULET BODIES

Take Round Covers; 5, 10 or 20 Ampere Round Base Switches,
or Round Base Fittings

Furnished with Adjustable Bar and all necessary Fastening Screws



Type G
Showing Snap Switch Mounted
(Broken-away View Illustrating use of Adjustable Bar
in Fastening Fitting or Cover to a Condulet Body
of the G and H Series)

Condulet bodies of the G and H series are so designed that covers, switches or fittings are fastened to them by means of an adjustable bar and two screws. The adjustable bar permits switch or fitting to be mounted in any desired position.

A gasket may be used between cover or fitting and Condulet body.

Gaskets are not furnished with Condulet bodies, and if desired must be ordered separately.

Form 5, Form 10 and Form 20 are designations to indicate sizes of Condulet bodies which take fittings correspondingly classified on two of the following pages.



Type G



Type GA

Size	TYPE G BODIES			Black Enamel Finish	Size	TYPE GA BODIES		
	Form 5	Form 10	Form 20			Form 5	Form 10	Form 20
1/2-inch	G151	G1101	G1201	.Catalogue Number.	1/2-inch	GA151	GA1101	GA1201
	100	75	50	..Standard Package..		100	75	50
	110 lbs.	90 lbs.	75 lbs.	..Ship. Wt. Std. Pkg..		120 lbs.	100 lbs.	80 lbs.
	\$.55	\$.65	\$.90	..List Price, each...		\$.75	\$.85	\$1.10
3/4-inch	G252	G2102	G2202	.Catalogue Number.	3/4-inch	GA252	GA2102	GA2202
	50	25	25	..Standard Package..		50	25	25
	75 lbs.	55 lbs.	60 lbs.	..Ship. Wt. Std. Pkg..		80 lbs.	60 lbs.	65 lbs.
	\$.65	\$.80	\$.95	..List Price, each...		\$.85	\$1.00	\$1.20
1-inch	G353	G3103	G3203	.Catalogue Number.	1-inch	GA353	GA3103	GA3203
	25	25	25	..Standard Package..		25	25	25
	60 lbs.	65 lbs.	70 lbs.	..Ship. Wt. Std. Pkg..		65 lbs.	70 lbs.	75 lbs.
	\$.90	\$1.00	\$1.20	..List Price, each...		\$1.10	\$1.20	\$1.50

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type, size and form may be assorted to make up a standard package. No other assortment is allowed.

Switches and fittings for above Condulet bodies are enumerated on pages Cross Reference Nos. CH62 and CH63.

Gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

Covers for Condulet bodies of the G and H series are listed on page Cross Reference No. CH61.

(Cross Reference No. CH57)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES GL, GLA, GT AND GTA CONDULET BODIES

Take Round Covers; 5, 10 or 20 Ampere Round Base Switches,
or Round Base Fittings

Furnished with Adjustable Bar and all necessary Fastening Screws



Type GL



Type GLA

Size	TYPE GL BODIES			Black Enamel Finish	Size	TYPE GLA BODIES		
	Form 5	Form 10	Form 20			Form 5	Form 10	Form 20
1/2-inch	GL151	GL1101	GL1201	...Catalogue No...	1/2-inch	GLA151	GLA1101	GLA1201
	100	75	50	Standard Package.		100	75	50
	110 lbs.	100 lbs.	80 lbs.	Weight Std. Pkg.		130 lbs.	110 lbs.	90 lbs.
3/4-inch	GL252	GL2102	GL2202	...Catalogue No...	3/4-inch	GLA252	GLA2102	GLA2202
	50	25	25	Standard Package.		50	25	25
	75 lbs.	55 lbs.	60 lbs.	Weight Std. Pkg.		95 lbs.	60 lbs.	65 lbs.
1-inch	GL353	GL3103	GL3203	...Catalogue No...	1-inch	GLA353	GLA3103	GLA3203
	25	25	25	Standard Package.		25	25	25
	60 lbs.	65 lbs.	75 lbs.	Weight Std. Pkg.		60 lbs.	65 lbs.	60 lbs.
	\$.60	\$.70	\$.95	List Price, each..		\$.75	\$.85	\$1.10
	\$.70	\$.85	\$1.05	List Price, each..		\$.85	\$1.00	\$1.20
	\$.95	\$1.05	\$1.35	List Price, each..		\$1.10	\$1.20	\$1.50



Type GT



Type GTA

Size	TYPE GT BODIES			Black Enamel Finish	Size	TYPE GTA BODIES		
	Form 5	Form 10	Form 20			Form 5	Form 10	Form 20
1/2-inch	GT151	GT1101	GT1201	...Catalogue No...	1/2-inch	GTA151	GTA1101	GTA1201
	100	75	50	Standard Package.		100	75	50
	110 lbs.	100 lbs.	80 lbs.	Weight Std. Pkg.		160 lbs.	120 lbs.	100 lbs.
3/4-inch	GT252	GT2102	GT2202	...Catalogue No...	3/4-inch	GTA252	GTA2102	GTA2202
	50	25	25	Standard Package.		50	25	25
	75 lbs.	55 lbs.	60 lbs.	Weight Std. Pkg.		100 lbs.	60 lbs.	65 lbs.
1-inch	GT353	GT3103	GT3203	...Catalogue No...	1-inch	GTA353	GTA3103	GTA3203
	25	25	25	Standard Package.		25	25	25
	60 lbs.	65 lbs.	75 lbs.	Weight Std. Pkg.		60 lbs.	65 lbs.	75 lbs.
	\$.75	\$.85	\$1.10	List Price, each..		\$.90	\$1.00	\$1.25
	\$.85	\$1.00	\$1.20	List Price, each..		\$1.00	\$1.15	\$1.40
	\$1.10	\$1.20	\$1.50	List Price, each..		\$1.35	\$1.45	\$1.80

Form 5, Form 10 and Form 20 are designations to indicate sizes of Condulet bodies which take fittings correspondingly classified on pages Cross Reference Nos. CH62 and CH63.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type, size and form may be assorted to make up a standard package. No other assortment is allowed.

Switches or fittings for above Condulet bodies, are enumerated on pages Cross Reference Nos. CH62 and CH63.

Gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

Covers for Condulet bodies of the G and H series are listed on page Cross Reference No. CH61.
(Cross Reference No. CH58)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES GX, GXA, H AND HA CONDULET BODIES

Take Round Covers; 5, 10 or 20 Ampere Round Base Switches,
or Round Base Fittings

Furnished with Adjustable Bar and all necessary Fastening Screws



Type GX



Type GXA

Size	TYPE GX BODIES			Black Enamel Finish	Size	TYPE GXA BODIES		
	Form 5	Form 10	Form 20			Form 5	Form 10	Form 20
1/2-inch	GX151	GX1101	GX1201	...Catalogue No...	1/2-inch	GXA151	GXA1101	GXA1201
	100	75	50	...Standard Pkg...		100	75	50
	130 lbs.	120 lbs.	100 lbs.	Ship. Wt. Std. Pkg.		180 lbs.	150 lbs.	110 lbs.
	\$.90	\$1. 00	\$1. 25	..List Price, each..		\$1. 05	\$1. 15	\$1. 40
3/4-inch	GX252	GX2102	GX2202	...Catalogue No...	3/4-inch	GXA252	GXA2102	GXA2202
	50	25	25	...Standard Pkg...		50	25	25
	85 lbs.	70 lbs.	80 lbs.	Ship. Wt. Std. Pkg.		110 lbs.	75 lbs.	80 lbs.
	\$1. 00	\$1. 15	\$1. 40	..List Price, each..		\$1. 15	\$1. 30	\$1. 60
1-inch	GX353	GX3103	GX3203	...Catalogue No...	1-inch	GXA353	GXA3103	GXA3203
	25	25	25	...Standard Pkg...		25	25	25
	70 lbs.	80 lbs.	95 lbs.	Ship. Wt. Std. Pkg.		75 lbs.	80 lbs.	85 lbs.
	\$1. 35	\$1. 45	\$1. 80	..List Price, each..		\$1. 55	\$1. 65	\$2. 00



Type H



Type HA

Size	TYPE H BODIES			Black Enamel Finish	Size	TYPE HA BODIES		
	Form 5	Form 10	Form 20			Form 5	Form 10	Form 20
1/2-inch	H15	H110	H120	...Catalogue No...	1/2-inch	HA15	HA110	HA120
	100	75	50	...Standard Pkg...		100	75	50
	100 lbs.	85 lbs.	80 lbs.	Ship. Wt. Std. Pkg.		110 lbs.	95 lbs.	95 lbs.
	\$.45	\$.55	\$.80	..List Price, each..		\$.50	\$.60	\$.85
3/4-inch	H25	H210	H220	...Catalogue No...	3/4-inch	HA25	HA210	HA220
	50	25	25	...Standard Pkg...		50	25	25
	70 lbs.	50 lbs.	60 lbs.	Ship. Wt. Std. Pkg.		80 lbs.	60 lbs.	65 lbs.
	\$.55	\$.70	\$.85	..List Price, each..		\$.60	\$.75	\$.90
1-inch	H35	H310	H320	...Catalogue No...	1-inch	HA35	HA310	HA320
	25	25	25	...Standard Pkg...		25	25	25
	50 lbs.	60 lbs.	70 lbs.	Ship. Wt. Std. Pkg.		60 lbs.	65 lbs.	75 lbs.
	\$.80	\$.90	\$1. 10	..List Price, each..		\$.85	\$.95	\$1. 20

Form 5, Form 10 and Form 20 are designations to indicate sizes of Condulet bodies which take fittings correspondingly classified on pages Cross Reference Nos. CH62 and CH63.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type, size and form may be assorted to make up a standard package. No other assortment is allowed.

Switches and fittings for above Condulet bodies are enumerated on pages Cross Reference Nos. CH62 and CH63.

Gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

Covers for Condulet bodies of the G and H series are listed on page Cross Reference No. CH61.

(Cross Reference No. CH59)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES HH, HHC, HLA AND GXB CONDULET BODIES

Take Round Covers; 5, 10 or 20 Ampere Round Base Switches, or Round Base Fittings—
Except Type GXB which is made in Form 10 Only

Furnished with Adjustable Bar and all necessary Fastening Screws



Type HH



Type HHC


Size	TYPE HH BODIES			Black Enamel Finish	Size	TYPE HHC BODIES		
	Form 5	Form 10	Form 20			Form 5	Form 10	Form 20
1/2-inch	HH151	HH1101	HH1201	...Catalogue No...	1/2-inch	HHC151	HHC1101	HHC1201
	100	75	50	...Standard Pkg...		100	75	50
	130 lbs.	110 lbs.	100 lbs.	Ship. Wt. Std. Pkg.		160 lbs.	140 lbs.	110 lbs.
3/4-inch	HH252	HH2102	HH2202	...List Price, each...	3/4-inch	HHC252	HHC2102	HHC2202
	50	25	25	...Catalogue No...		50	25	25
	95 lbs.	65 lbs.	75 lbs.	...Standard Pkg...		100 lbs.	70 lbs.	85 lbs.
1-inch	HH353	HH3103	HH3203	...List Price, each...	1-inch	HHC353	HHC3103	HHC3203
	25	25	25	...Catalogue No...		25	25	25
	65 lbs.	70 lbs.	75 lbs.	...Standard Pkg...		75 lbs.	80 lbs.	90 lbs.
	\$.90	\$1.00	\$1.20	...List Price, each...		\$1.10	\$1.20	\$1.50



Type HLA



Type GXB

Size	TYPE HLA BODIES			Black Enamel Finish	TYPE GXB BODIES			
	Form 5	Form 10	Form 20		Size	Form 10	Size	Form 10
1/2-inch	HLA151	HLA1101	HLA1201	...Catalogue No...	All Hubs 1/2-inch	GXB1101	Back Hub 3/4-inch	GXB1102
	100	75	50	...Standard Pkg...		75	Side Hubs	75
	130 lbs.	110 lbs.	100 lbs.	Ship. Wt. Std. Pkg.		270 lbs.	1/2-inch	290 lbs.
3/4-inch	HLA252	HLA2102	HLA2202	...List Price, each...		\$1.50		\$1.60
	50	25	25	...Catalogue No...				
	95 lbs.	65 lbs.	75 lbs.	...Standard Pkg...				
1-inch	HLA353	HLA3103	HLA3203	...List Price, each...				
	25	25	25	...Catalogue No...				
	65 lbs.	70 lbs.	75 lbs.	...Standard Pkg...				
	\$.95	\$1.05	\$1.35	...List Price, each...				

Form 5, Form 10 and Form 20 are designations to indicate sizes of Condulet bodies which take fittings correspondingly classified on pages Cross Reference Nos. CH62 and CH63.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type, size and form may be assorted to make up a standard package. No other assortment is allowed.

Switches or fittings for above Condulet bodies are enumerated on pages Cross Reference Nos. CH62 and CH63.

Gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

Covers for Condulet bodies of the G and H series are listed on page Cross Reference No. CH61.

(Cross Reference No. CH60)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDULET FITTINGS

For G and H Series of Condulet Bodies, FH Condulet Bodies and QH, QK and Z Series of Condulets



Type G Condulet
Showing Pull Switch
Mounted



Type GT Condulet
Showing Hubbell Plug
Receptacle Mounted



Type H Condulet
Showing Twin Socket
Mounted



Type G Condulet
Showing Two-Light
Cluster Mounted

FORM 5 FITTINGS

Snap Switches: ARROW E—6100, 6101, 6102, 6103, 6106, 6107, 6200, 6201, 6202, 6203, 6208, 6209, 6210, 6211, 6223, 6224, 6225, 6226, *6400, *6401, *6402, *6403, *6420, *6421. CUTLER-HAMMER—7107, 7108. DIAMOND H—122, D-122, 123, 124, 125, D-125, 126, D-126, 220, D-220, 1220, D-1220, 1230, 1240, 1250, D-1250, 1260, D-1260, 2200, D-2200. G. E. CO.—59873, 59874, 59875, 60294, 60295, 60296, 60447, 60448, 60449, 60450, 60451, 60452, 60453, 60454, 60455, 60456, 60458, 60459, 60460, 60461, 60462, 60463, 60464, 60465, 60466, 60467, 60950, 60951, 60952, 60953, 60954, 60955, 62410, 62411, 62412, 100809, 100810, 100811, 100812, 104239, 104240, 104241, 104242, 114832, 114833, 114834, 114835, 114836, 114837, 114838, 114839, 114840, 114841, *114908, *114909, *114910, *114911, *114912, *114913, *114914, *114915, *114916, *114917. H. & H.—20, 120, 220, 320, 2085, 2086, 2087, 2088, 2089, 2090, 2148, 2161, 2162, 2163, *2311, *2312, *2313, *2314. PERKINS—2000, 2002, *2003, 2027, 2035, 2047, 2170, *2171, 2175, 2220, *2225, *2226, *2231, *2232, 2254, 2255, 2391, 2392, 2393, 2394, 2429, 2430, 2455, 2456. TRUMBULL—300, 301, 302, 303, 310, 311, 312, 313, 340, 341, 342, 343, 360, 361.

Pull Switches: HUBBELL—5027, 5795. PERKINS—372, 395.

Receptacles, Key: ARROW E—4009, 8025, 9184, 66609. BRYANT—4484, 66609. G. E. CO.—GE324, 27742, 29404, 105005, 105043. HUBBELL—3732. PAISTE—5406, 5408, 5410, 5545, 5547, 5549. P. & S.—132, 61237, 61387. WEBER—61462, 61672, 61673.

Receptacles, Keyless: ARROW E—4010, 8026, 9185, 50717, 66610. BRYANT—50717, 50744, 66610. G. E. CO.—GE325, 49355, 50717, 50744, 88258, 100411, 105006, 105019, 105044. HUBBELL—3733. PAISTE—5407, 5409, 5411, 5546, 5548, 5550, 50717, 50744. PASS & SEYMOUR—108, 146, 50717, 60237, 60387, 61250, 88259. WEBER—61000, 61230, 61329, 61491, 61674, 61675.

Receptacles, Pull: ARROW E—8515, 66611. BRYANT—66611. G. E. CO.—GE326, 88961. HUBBELL—3731. PAISTE—5575, 5576, 5577, 61126. PASS & SEYMOUR—98, 129.

Receptacles, Attachment Plug: CUTLER-HAMMER—7618. G. E. CO.—49489. HUBBELL—5617, 5621.

Rosettes: G. E. CO.—39236, 39237, 40496, 59807, 60124. PASS & SEYMOUR—79, 390. WEBER—378, 378-A, 385.

Abolites: ADAMS-BAGNALL CO.—G-400.

FORM 10 FITTINGS

Snap Switches: ARROW E—6204, 6205, 6206, 6207, 6215, 6216, 6217, 6218, 6229, 6230, 6231, 6232, 6233, 6234, 6235, 6236, 6237, 6238, 6239, 6240, 6280, 6282, 6284, 6286, 6288, 6289, 6290, 6291, 6292, 6294, 6296, 6298, *6410, *6411, *6412, *6413, *6422, *6423, *6440, *6442, *6450, *6451, DIAMOND H—221, D-221, 222, D-222, 223, 224, 225, D-225, 226, D-226, *501, *D-501, *503, *506, *D-506, *507, *D-507, 2210, D-2210, 2220, D-2220, 2230, 2240, 2250, D-2250, 2260, D-2260, *5010, *D-5010, *5030, *5060, *D-5060, *5070, *D-5070. G. E. CO.—60451, 60452, 60453, 60454, 60460, 60461, 60462, 60463, 60464, 60465, 60466, 60467, 100809, 100810, 100811, 100812, 114832, 114833, 114834, 114835, 114836, 114837, 114838, 114839, 114840, 114841, 114842, 114843, 114844, 114845, 114846, 114847, 114848, 114849, 114850, 114851, *114908, *114909, *114910, *114911, *114912, *114913, *114914, *114915, *114916, *114917. H. & H.—*201½, 21, 22, 23, *231½, 24, 25, *27, 29, *501½, *531½, *57, *1201½, 121, 122, 123, *1231½, 124, 125, *127, 129, *1501½, *157, *2201½, 221, 222, 225, *227, 229, *2501½, *257, *3201½, 321, 322, 325, *327, 329, *3501½, *357, 429, 529, 629, 729, 2205, 2206, 2207, 2208, 2209, 2210, 2231, 2232, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249. PERKINS—2001, 2002, *2003, 2009, 2017, *2028, 2030, 2033, 2036, 2038, 2048, *2049, 2050, *2062, *2068, 2070, 2072, 2074, *2100, *2103, 2139, 2140, 2141, 2142, 2170, *2171, 2176, *2179, *2181, 2183, 2185, 2187, 2188, *2211, *2212, 2215, 2216, 2221, *2225, *2226, *2231, *2232, 2254, 2255, 2263, 2264, *2265, *2267, *2268, *2272, *2273, *2413, *2414, 2435, 2436, 2437, 2438, *2449, 2450, *2451, *2452, *2453. TRUMBULL—310, 311, 312, 313, 320, 321, 322, 323, 340, 341, 342, 343, 350, 351, 352, 353, 360, 361, 365, 366, 375, 376.

*600 Volt.

(Cross Reference No. CH62)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FITTINGS FOR CONDULETS

For G and H Series of Condulet Bodies, FH Condulet Bodies
and QH, QK and Z Series of Condulets



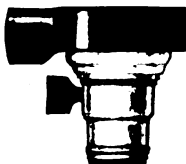
Type G Condulet
Showing Snap Switch
Mounted



Type GL Condulet
Showing Pull Socket
Mounted



Type G Condulet
Showing Abolite and
Shade Mounted



Type H Condulet
Showing Key Socket
Mounted

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FORM 10 FITTINGS

Pull Switches: PERKINS—414, 2309, 2310, 2311, 2312, 2313, 2314, 2387, 2388, 2389, 2390, 2395, 2396, 2546, 2547, 2548, 2549, 2550, 2560, 2561, 2562, 2563, 2564, 2565, 2566.

Ceiling Switches: G. E. CO.—GE136, GE137, GE138, GE140, GE248, GE249, GE250, GE857, GE858, GE859, 100248, 100249, 100250.

Receptacles, Key: ARROW E—8050, 68226. BRYANT—4009, 4488, 24990, 50729, 68226. G. E. CO.—24990, 28723, 28733, 29408, 29414, 34193, 39672, 38680, 50729, 100600. HUBBELL—3719, 3568, 3738. PAISTE—5590, 5598, 5606, 28723, 29408, 50729.

Receptacles, Keyless: ARROW E—8051, 68231. BRYANT—4000, 4001, 4002, 4010, 9401, 9404, 9405, 9406, 9447, 24993, 25093, 25094, 50732, 68231. G. E. CO.—9404, 9405, 24993, 25093, 25094, 28728, 28736, 29411, 29417, 34196, 38135, 38394, 38676, 38684, 50732, 100601. HUBBELL—3571, 3720, 3739. MANHATTAN—16427. PAISTE—5594, 5602, 5610, 9404, 9405, 28728, 29411, 38135, 38394, 50732. WEBER—61230.

Receptacles, Pull: ARROW E—8525, 68237. BRYANT—4019, 68237. HUBBELL—3737, 35006, 35009. PAISTE—5614, 5618, 5622.

Receptacles, Attachment Plug: CUTLER-HAMMER—7618. G. E. Co.—49489. HUBBELL—5617, 5621.

Rosettes: ARROW E—298, 871, 1502. BRYANT—298, 871, 873, 1073, 1502. G. E. CO.—40496, 59807, 60124. PAISTE—811, 814, 871, 873, 885. PASS & SEYMOUR—79, 390. PERKINS—3415, 3418. TRUMBULL—753, 756, 763, 986, 993. WEBER—378, 378-A, 385.

Clusters: BENJAMIN—22, 23, 82.

Abolites: ADAMS-BAGNALL CO.—G-401.

FORM 20 FITTINGS

Snap Switches: ARROW E—6115, 6116, 6117, 6118, 6120, 6121, 6122, 6123, 6124, 6125. DIAMOND H—322, D-322, 3220, D-3220. G. E. CO.—GE150, *21644, *21645, 68385, 68386, 68387, 68388, *114918, *114919, *114920, *114921, *114922, *114923, *114924, *114925, *114926, *114927. H. & H.—26, 31, 32, 33, 40, 42, 43, *47, 126, 131, 132, 133, 140, 142, 143, *147, 226, 231, 240, *241½, *247, 326, 331, 340, *341½, *347, 432, *441½, 442, 532, *541½, 542, *2164, *2165, *2166, *2167, *2168, *2169, *2170, *2171, *2172, *2173, *2174, *2175, *2176, *2177, *2193, *2194, *2195, *2196. PERKINS—2011, 2019, 2025, 2040, 2046, 2052, *2060, *2066, *2227, *2228, *2397, *2398, *2409, *2410, *2411, *2412, *2415, *2416, *2445, *2446, *2447, *2448.

Receptacles, Key: ARROW E—7513, 8044. BRYANT—4488, 24990, 50729, 68226. G. E. CO.—GE336, 24990, 28723, 28733, 29408, 29414, 34193, 39672, 38680, 50729, 88959, 105052. HUBBELL—3546, 3568, 3738, 3752. PAISTE—5569, 5571, 5573, 5590, 5598, 5606, 28723, 29408, 50729.

Receptacles, Keyless: ARROW E—7514, 8045. BRYANT—9404, 9405, 9406, 24993, 25093, 25094, 50732, 60020, 68231. G. E. CO.—GE337, 9404, 9405, 24993, 25093, 25094, 28728, 28736, 29411, 29417, 34196, 38135, 38394, 38676, 38684, 50732, 88960, 105004, 105055. HUBBELL—3571, 3739, 3754, 35036. PAISTE—5570, 5572, 5574, 5594, 5602, 5610, 9404, 9405, 28728, 29411, 38135, 38394, 50732.

Receptacles, Pull: ARROW E—4515, 8522. BRYANT—68237. G. E. CO.—GE338, 88964. HUBBELL—3737, 3750, 35009, 35034. PAISTE—5587, 5588, 5589, 5614, 5618, 5622.

Rosettes: BRYANT—871, 873, 1073. PAISTE—811, 814, 871, 873, 885. PERKINS—3415, 3418, 3421, 3424.

Clusters: BENJAMIN—32, 32½, 33.

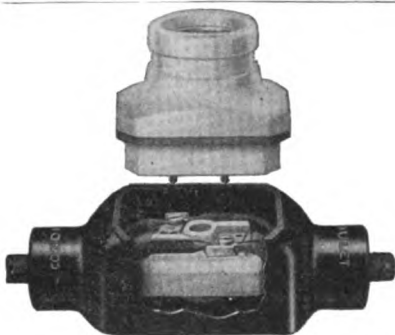
Abolites: ADAMS-BAGNALL CO.—G-402.

*600 Volt.

(Cross Reference No. CH63)

TYPES J, JA AND JB CONDULET BODIES

Take Norbitt Conduletto Fittings and Blank Metal Cover






Showing Norbitt Conduletto Receptacle with Shade Holder Groove Mounted (Broken-away and Exploded View)

Condulet bodies of the J and K series are so designed that the bases of Norbitt Conduletto fittings or blank metal covers fasten to them by means of a single screw.

The cap of the Norbitt Conduletto Hubbell plug receptacle is secured to its base by a single center screw.

The cap of a Norbitt Conduletto receptacle or rosette is secured to its base by two screws, which also complete the electrical connection.

A gasket is furnished with each Norbitt Conduletto fitting and blank metal cover, and makes the installation weatherproof.

TYPE J CONDULET BODIES—Black Enamel Finish				
	Size in inches.....	1/2	3/4	1
	Catalogue Number.....	J11	J22	J33
	Standard Package.....	200	100	50
	Shipping Weight Std. Pkg.....	240 lbs.	150 lbs.	80 lbs.
	List Price, each.....	\$.60	\$.75	\$1.05
TYPE JA CONDULET BODIES—Black Enamel Finish				
	Size in inches.....	1/2	3/4	1
	Catalogue Number.....	JA11	JA22	JA33
	Standard Package.....	100	75	50
	Shipping Weight Std. Pkg.....	130 lbs.	110 lbs.	80 lbs.
	List Price, each.....	\$.70	\$.85	\$1.15
TYPE JB CONDULET BODIES—Black Enamel Finish				
	Size in inches.....	1/2	3/4	1
	Catalogue Number.....	JB11	JB22	JB33
	Standard Package.....	100	75	50
	Shipping Weight Std. Pkg.....	140 lbs.	120 lbs.	90 lbs.
	List Price, each.....	\$.70	\$.85	\$1.15

Norbitt Conduletto fittings and the blank metal cover are made in one size only, and are interchangeable on all Condulet bodies of the J and K series.

Proper fastening screws are furnished with Norbitt Conduletto fittings and blank metal cover, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

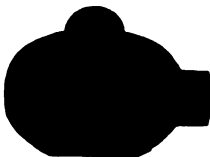
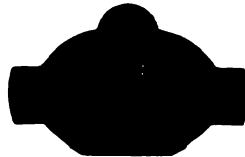



Norbitt Conduletto fittings are listed on page Cross Reference No. CH186a. Blank metal cover is listed on page Cross Reference No. CH67. Gasket for Norbitt Conduletto fittings and blank metal cover are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH65)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES JL, JT, JU, JX AND K CONDULET BODIES

Take Norbitt Conduletto Fittings and Blank Metal Cover

	TYPE JL CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	JL11	JL22	JL33
	Standard Package	100	75	50
	Shipping Weight Std. Pkg.	140 lbs.	120 lbs.	90 lbs.
	List Price, each	\$.85	\$.95	\$1.05
	TYPE JT CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	JT111	JT222	JT333
	Standard Package	100	75	50
	Shipping Weight Std. Pkg.	150 lbs.	130 lbs.	100 lbs.
	List Price, each	\$.95	\$1.05	\$1.15
	TYPE JU CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	JU11	JU22	JU33
	Standard Package	100	75	50
	Shipping Weight Std. Pkg.	160 lbs.	140 lbs.	110 lbs.
	List Price, each	\$.70	\$.85	\$1.15
	TYPE JX CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	JX1111	JX2222	JX3333
	Standard Package	100	75	50
	Shipping Weight Std. Pkg.	180 lbs.	140 lbs.	120 lbs.
	List Price, each	\$1.05	\$1.15	\$1.30
	TYPE K CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	K1	K2	K3
	Standard Package	100	75	50
	Shipping Weight Std. Pkg.	100 lbs.	85 lbs.	70 lbs.
	List Price, each	\$.50	\$.65	\$.95

Norbitt Conduletto fittings and the blank metal cover are made in one size only, and are interchangeable on all Condulet bodies of the J and K series.

Proper fastening screws are furnished with Norbitt Conduletto fittings and blank metal cover, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment is allowed.






Norbitt Conduletto fittings are listed on page Cross Reference No. CH186a. Blank metal cover is listed on following page. Gasket for Norbitt Conduletto fittings and blank metal cover is listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH66)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES KA, KB, KC AND KD CONDULET BODIES

Take Norbitt Conduletto Fittings and Blank Metal Cover

	TYPE KA CONDULET BODIES—Black Enamel Finish			
	Size in inches.....	1/2	3/4	1
	Catalogue Number	KA1	KA2	KA3
	Standard Package	100	75	50
	Shipping Weight Std. Pkg..	110 lbs.	90 lbs.	75 lbs.
	List Price, each	\$.60	\$.75	\$1.05
	TYPE KB CONDULET BODIES—Black Enamel Finish			
	Size in inches.....	1/2	3/4	1
	Catalogue Number	KB1	KB2	KB3
	Standard Package	100	75	50
	Shipping Weight Std. Pkg..	110 lbs.	90 lbs.	75 lbs.
	List Price, each	\$.60	\$.75	\$1.05
	TYPE KC CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	KC1	KC2	KC3
	Standard Package	100	75	50
	Shipping Weight Std. Pkg..	160 lbs.	125 lbs.	100 lbs.
	List Price, each	\$.60	\$.75	\$1.05
	TYPE KD CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	KD1	KD2	KD3
	Standard Package	100	75	50
	Shipping Weight Std. Pkg..	160 lbs.	125 lbs.	100 lbs.
	List Price, each	\$.60	\$.75 *	\$1.05
	BLANK METAL COVER—Cast Iron			
	For 1-2, 3-4 and 1-inch Condulet Bodies of the J and K Series			
	Catalogue Number	J100	This blank metal cover is furnished with gasket and fastening screw.	
	Standard Package	200		
	Shipping Weight Std. Pkg..	90 lbs.		
	List Price, each	\$.30		

Norbitt Conduletto fittings and the blank metal cover are made in one size only, and are interchangeable on all Condulet bodies of the J and K series.

Proper fastening screws are furnished with Norbitt Conduletto fittings and blank metal cover, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies and blank metal cover, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies and all galvanized finish on blank metal cover will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies and blank metal cover with plain and special finishes, aluminum Condulet bodies and blank metal cover with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment of Condulet bodies is allowed.

Black enameled and galvanized blank metal covers may be assorted to make up a standard package. No other assortment of covers is allowed.

Standard package discount is allowed on covers when an order is for a standard package of Condulet bodies and an equal number of covers for those bodies; but on an order for covers alone, standard package discount is allowed, only, on the specified standard package quantity of covers.

Norbitt Conduletto fittings are listed on page Cross Reference No. CH186a.

Gasket for Norbitt Conduletto fittings and blank metal cover is listed separately on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

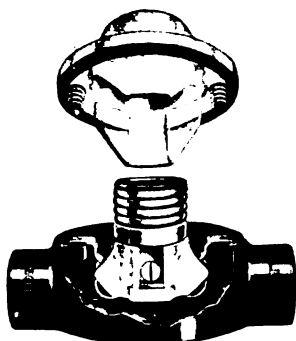
(Cross Reference No. CH67)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

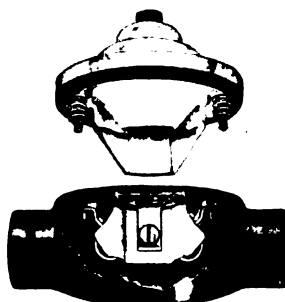
TYPES RJ AND RJA CONDULET BODIES

WITH ELLIPTICAL OPENINGS

Take Elliptical Conduletto Fittings and Elliptical Covers



Type RJ
Showing Elliptical Conduletto Receptacle
(Broken-away and Exploded View)



Type RJ
Showing Elliptical Conduletto Rosette
(Broken-away and Exploded View)

Condulet bodies with elliptical openings are so designed that elliptical Conduletto fittings and elliptical covers fasten to them by means of two screws which are always accessible. These two screws secure both cap and base of an elliptical Conduletto fitting to the Condulet body.

Ample space is provided in the Condulet body for the unobstructed passage of extra wires. A gasket is furnished with each elliptical Conduletto fitting, and makes the installation weather-proof. Gaskets are not furnished with elliptical covers, and if desired must be ordered separately.



TYPE RJ CONDULET BODIES—Black Enamel Finish

Size in inches	1/2	3/4	1
Catalogue Number.....	RJ11	RJ22	RJ33
Standard Package.....	200	100	50
Shipping Weight Std. Pkg.....	240 lbs.	130 lbs.	80 lbs.
List Price, each	\$.50	\$.60	\$.90



TYPE RJA CONDULET BODIES—Black Enamel Finish

Size in inches	1/2	3/4	1
Catalogue Number.....	RJA11	RJA22	RJA33
Standard Package.....	100	75	50
Shipping Weight Std. Pkg.....	140 lbs.	110 lbs.	85 lbs.
List Price, each	\$.60	\$.70	\$1.00

Elliptical Conduletto fittings and elliptical covers are made in one size only, and are interchangeable on Condulet bodies of the RJ and RK series.

Proper fastening screws are furnished with elliptical Conduletto fittings and elliptical Condulet covers, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Elliptical Conduletto fittings are listed on page Cross Reference No. CH188a. Elliptical covers are listed on page Cross Reference No. CH73. Elliptical gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.




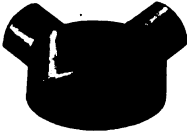

(Cross Reference No. CH69)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES RJB, RJD, RJF, RJK AND RJL CONDULET BODIES

WITH ELLIPTICAL OPENINGS

Take Elliptical Conduletto Fittings and Elliptical Covers

	TYPE RJB CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	RJB11	RJB22	RJB33
	Standard Package	100	75	50
	Shipping Weight Std. Pkg..	150 lbs.	120 lbs.	90 lbs.
	List Price, each	\$.70	\$.80	\$.90
	TYPE RJD CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	RJD11	RJD22	RJD33
	Standard Package	100	75	50
	Shipping Weight Std. Pkg..	160 lbs.	130 lbs.	95 lbs.
	List Price, each	\$.60	\$.70	\$1.00
	TYPE RJF CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	RJF11	RJF22	RJF33
	Standard Package	100	75	50
	Shipping Weight Std. Pkg..	170 lbs.	140 lbs.	100 lbs.
	List Price, each	\$.70	\$.80	\$.90
	TYPE RJK CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	RJK11	RJK22	RJK33
	Standard Package	100	75	50
	Shipping Weight Std. Pkg..	160 lbs.	130 lbs.	95 lbs.
	List Price, each	\$.70	\$.80	\$.90
	TYPE RJL CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	RJL11	RJL22	RJL33
	Standard Package	100	75	50
	Shipping Weight Std. Pkg..	150 lbs.	120 lbs.	90 lbs.
	List Price, each	\$.70	\$.80	\$.90

Elliptical Conduletto fittings and elliptical covers are made in one size only, and are interchangeable on Condulet bodies of the RJ and RK series.

Proper fastening screws are furnished with elliptical Conduletto fittings and elliptical Condulet covers, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Elliptical Conduletto fittings are listed on page Cross Reference No. 188a. Elliptical covers are listed on page Cross Reference No. CH73. Elliptical gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH70)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES RJR, RJT, RJU, RJX AND RK CONDULET BODIES

WITH ELLIPTICAL OPENINGS

Take Elliptical Conduletto Fittings and Elliptical Covers

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



TYPE RJR CONDULET BODIES—Black Enamel Finish

Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Catalogue Number	RJR11	RJR22	RJR33
Standard Package	100	75	50
Shipping Weight Std. Pkg..	150 lbs.	120 lbs.	90 lbs.
List Price, each	\$.70	\$.80	\$.90



TYPE RJT CONDULET BODIES—Black Enamel Finish

Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Catalogue Number	RJT111	RJT222	RJT333
Standard Package	100	75	50
Shipping Weight Std. Pkg..	160 lbs.	130 lbs.	95 lbs.
List Price, each	\$.80	\$.90	\$1.00



TYPE RJU CONDULET BODIES—Black Enamel Finish

Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Catalogue Number	RJU11	RJU22	RJU33
Standard Package	100	75	50
Shipping Weight Std. Pkg..	135 lbs.	100 lbs.	80 lbs.
List Price, each	\$.60	\$.70	\$.95



TYPE RJX CONDULET BODIES—Black Enamel Finish

Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Catalogue Number	RJX1111	RJX2222	RJX3333
Standard Package	100	75	50
Shipping Weight Std. Pkg..	160 lbs.	130 lbs.	95 lbs.
List Price, each	\$.90	\$1.00	\$1.10



TYPE RK CONDULET BODIES—Black Enamel Finish

Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Catalogue Number	RK1	RK2	RK3
Standard Package	100	75	50
Shipping Weight Std. Pkg..	135 lbs.	100 lbs.	80 lbs.
List Price, each	\$.40	\$.55	\$.80

Elliptical Conduletto fittings and elliptical covers are made in one size only, and are interchangeable on Condulet bodies of the RJ and RK series.

Proper fastening screws are furnished with elliptical Conduletto fittings and elliptical Condulet covers, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.




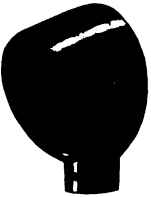

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Elliptical Conduletto fittings are listed on page Cross Reference No. CH188a. Elliptical covers are listed on page Cross Reference No. CH73. Elliptical gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH71)

RKA, RKB, RKC, RKD AND RKK CONDULET BODIES**WITH ELLIPTICAL OPENINGS**

Take Elliptical Conduletto Fittings and Elliptical Covers

	TYPE RKA CONDULET BODIES—Black Enamel Finish			
	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
	Catalogue Number.....	RKA1	RKA2	RKA3
	Standard Package.....	100	75	50
	Shipping Weight Std. Pkg.	135 lbs.	100 lbs.	80 lbs.
	TYPE RKB CONDULET BODIES—Black Enamel Finish			
	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
	Catalogue Number.....	RKB1	RKB2	RKB3
	Standard Package.....	100	75	50
	Shipping Weight Std. Pkg.	135 lbs.	100 lbs.	80 lbs.
	TYPE RKC CONDULET BODIES—Black Enamel Finish			
	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
	Catalogue Number.....	RKC1	RKC2	RKC3
	Standard Package.....	100	75	50
	Shipping Weight Std. Pkg.	170 lbs.	140 lbs.	100 lbs.
	TYPE RKD CONDULET BODIES—Black Enamel Finish			
	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
	Catalogue Number.....	RKD1	RKD2	RKD3
	Standard Package.....	100	75	50
	Shipping Weight Std. Pkg.	170 lbs.	140 lbs.	100 lbs.
	TYPE RKK CONDULET BODIES—Black Enamel Finish			
	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
	Catalogue Number.....	RKK1	RKK2	RKK3
	Standard Package.....	100	75	50
	Shipping Weight Std. Pkg.	160 lbs.	130 lbs.	100 lbs.
	TYPE RKK CONDULET BODIES—Black Enamel Finish			
	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
	Catalogue Number.....	RKK1	RKK2	RKK3
	Standard Package.....	100	75	50
	Shipping Weight Std. Pkg.	160 lbs.	130 lbs.	100 lbs.
	List Price, each.....	\$.50	\$.60	\$.90

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Elliptical Conduletto fittings and elliptical covers are made in one size only, and are interchangeable on Condulet bodies of the RJ and RK series.

Proper fastening screws are furnished with elliptical Conduletto fittings and elliptical Condulet covers, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for Condulet bodies, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulet bodies with plain and special finishes, aluminum Condulet bodies with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Elliptical Conduletto fittings are listed on page Cross Reference No. CH188a. Elliptical covers are listed on following page. Elliptical gaskets are listed on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH72)

TYPES PG, PGB, PGC, PGCA, PGL, PGT AND PGG CONDULETS

Take General Electric 2 H. P., 250-Volt, 3-Phase, Snap Switch 151394 with Protective Cover for Textile Mill Installations

Furnished with all necessary Fastening Screws

Showing Switch Installed
Prices do not include Switch**TYPE PG CONDULETS—Black Enamel Finish**

Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Catalogue Number	PG1	PG2	PG3
Standard Package	35	25	10
Shipping Weight Std. Pkg.	85 lbs.	70 lbs.	50 lbs.
List Price, each	\$1.10	\$1.25	\$1.40

**TYPE PGB CONDULETS—Black Enamel Finish**

Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Catalogue Number	PGB11	PGB22	PGB33
Standard Package	35	25	10
Shipping Weight Std. Pkg.	95 lbs.	90 lbs.	50 lbs.
List Price, each	\$1.25	\$1.40	\$1.55

**TYPE PGC CONDULETS—Black Enamel Finish**

Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Catalogue Number	PGC11	PGC22	PGC33
Standard Package	35	25	10
Shipping Weight Std. Pkg.	95 lbs.	90 lbs.	50 lbs.
List Price, each	\$1.25	\$1.40	\$1.55

**TYPE PGCA CONDULETS—Black Enamel Finish**

Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Catalogue Number	PGCA111	PGCA222	PGCA333
Standard Package	35	25	10
Shipping Weight Std. Pkg.	125 lbs.	115 lbs.	60 lbs.
List Price, each	\$1.45	\$1.60	\$1.75

**TYPE PGL CONDULETS—Black Enamel Finish**

Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Catalogue Number	PGL11	PGL22	PGL33
Standard Package	35	25	10
Shipping Weight Std. Pkg.	95 lbs.	90 lbs.	50 lbs.
List Price, each	\$1.25	\$1.40	\$1.55

**TYPE PGT CONDULETS—Black Enamel Finish**

Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Catalogue Number	PGT111	PGT222	PGT333
Standard Package	35	25	10
Shipping Weight Std. Pkg.	125 lbs.	115 lbs.	60 lbs.
List Price, each	\$1.45	\$1.60	\$1.75

**TYPE PGG CONDULETS—Black Enamel Finish**

Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Catalogue Number	PGG11	PGG22	PGG33
Standard Package	35	25	10
Shipping Weight Std. Pkg.	95 lbs.	90 lbs.	50 lbs.
List Price, each	\$1.25	\$1.40	\$1.55

Above prices do not include switches.

(Cross Reference No. CH79A)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES QHA AND QHB CONDULETS

Weather-Proof Condulets for Thumb Knob Snap Switches, Attachment Plug Receptacles and Crouse-Hinds Plug Receptacles RQH302 and RQH303

Furnished with Fastening Straps and Bolts for Fittings



Type QHC
Showing Switch Mounted and Padlock
(Broken-away View)



Type QHB
Showing Attachment Plug Receptacle Mounted
(Broken-away View)



Type QHC
Showing Crouse-Hinds Plug Receptacle RQH302 Mounted
(Door Open)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



TYPE QHA CONDULETS—Black Enamel Finish

	Size in inches	1/2	3/4	1
Form 10	Catalogue Number.	QHA1510	QHA2510	QHA3510
	Standard Package..	35	25	15
	Weight Std. Pkg....	80 lbs.	60 lbs.	45 lbs.
	List Price, each	\$1.25	\$1.40	\$1.55
Form 20	Catalogue Number.	QHA120	QHA220	QHA320
	Standard Package..	35	25	15
	Weight Std. Pkg....	150 lbs.	110 lbs.	70 lbs.
	List Price, each	\$1.65	\$1.80	\$2.00



TYPE QHB CONDULETS—Black Enamel Finish

	Size in inches	1/2	3/4	1
Form 10	Catalogue Number.	QHB1510	QHB2510	QHB3510
	Standard Package..	35	25	15
	Weight Std. Pkg....	75 lbs.	60 lbs.	45 lbs.
	List Price, each	\$1.30	\$1.45	\$1.60
Form 20	Catalogue Number.	QHB120	QHB220	QHB320
	Standard Package..	35	25	15
	Weight Std. Pkg....	140 lbs.	100 lbs.	70 lbs.
	List Price, each	\$1.75	\$1.90	\$2.05

Fittings for use with Condulets of the QH series are not included in above list prices, but are enumerated on following page.

Padlock is not included in above list prices for Condulets of the QH series.

For finishes and assortments, see note on following page.






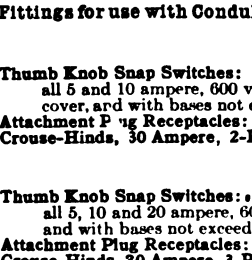
Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH88)

TYPES QHC, QHL AND QHT CONDULETS

Weather-Proof Condulets for Thumb Knob Snap Switches, Attachment Plug Receptacles and Crouse-Hinds Plug Receptacles RQH302 and RQO303

Furnished with Fastening Straps and Bolts for Fittings

TYPE QHC CONDULETS—Black Enamel Finish					
	Form 10	Size in inches	1/2	3/4	1
		Catalogue Number..	QHC11510	QHC22510	QHC33510
		Standard Package...	35	25	15
		Weight Std. Pkg.	120 lbs.	90 lbs.	60 lbs.
		List Price, each.	\$1.50	\$1.75	\$2.00
	Form 20	Size in inches	1/2	3/4	1
		Catalogue Number..	QHC1120	QHC2220	QHC3320
		Standard Package...	35	25	15
		Weight Std. Pkg.	180 lbs.	120 lbs.	80 lbs.
		List Price, each.	\$2.00	\$2.30	\$2.60
TYPE QHL CONDULETS—Black Enamel Finish					
	Form 10	Size in inches	1/2	3/4	1
		Catalogue Number..	QHL11510	QHL22510	QHL33510
		Standard Package...	35	25	15
		Weight Std. Pkg.	90 lbs.	60 lbs.	50 lbs.
		List Price, each.	\$1.40	\$1.55	\$1.70
	Form 20	Size in inches	1/2	3/4	1
		Catalogue Number..	QHL1120	QHL2220	QHL3320
		Standard Package...	35	25	15
		Weight Std. Pkg.	150 lbs.	100 lbs.	70 lbs.
		List Price, each.	\$1.90	\$2.10	\$2.30
TYPE QHT CONDULETS—Black Enamel Finish					
	Form 10	Size in inches	1/2	3/4	1
		Catalogue Number..	QHT111510	QHT222510	QHT333510
		Standard Package...	35	25	15
		Weight Std. Pkg.	120 lbs.	90 lbs.	60 lbs.
		List Price, each.	\$1.65	\$1.90	\$2.15
	Form 20	Size in inches	1/2	3/4	1
		Catalogue Number..	QHT11120	QHT22220	QHT33320
		Standard Package...	35	25	15
		Weight Std. Pkg.	160 lbs.	110 lbs.	90 lbs.
		List Price, each.	\$2.15	\$2.45	\$2.80

Fittings for use with Condulets of the QH series are not included in above list prices, but are as follows:

For Form 10

Thumb Knob Snap Switches: All 5, and 10 ampere, 125 and 250 volt switches enumerated on preceding pages, and all 5 and 10 ampere, 600 volt switches not over 2 3/8 inches deep over all, not over 1 1/2 inches deep to top of cover, and with bases not exceeding 2 1/2 inches in diameter, enumerated on the same pages.

Attachment Plug Receptacles: HUBBELL—5617, 5621, 5624, 5757. G. E. CO.—102700.

Crouse-Hinds, 30 Ampere, 2-Pole, Plug Receptacle—RQH302.

For Form 20

Thumb Knob Snap Switches: All 5, 10 and 20 ampere, 125 and 250 volt switches enumerated on preceding pages, and all 5, 10 and 20 ampere, 600 volt switches not over 3 inches deep over all, not over 2 5/8 inches deep to top of cover, and with bases not exceeding 3 3/8 inches in diameter, enumerated on the same pages.

Attachment Plug Receptacles: HUBBELL—5617, 5621, 5624, 5757. G. E. CO.—102700.

Crouse-Hinds, 30 Ampere, 3-Pole, Plug Receptacle—RQH303.

Finishes: Black enamel is the standard finish for Condulets, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulets will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulets with plain and special finishes, aluminum Condulets with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulets of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Padlock is not included in above list prices for Condulets of the QH series.

Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH89)


IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.


TYPES MP AND MPD CONDULETS**FOR TELEPHONE BELL BOXES**

Type MP takes Western Electric Telephone Bell Box 334A

Type MPD takes Stromberg-Carlson Telephone Bell Box 1131-F

Furnished with Fastening Screws for Bell Box


TYPE MP CONDULETS—Black Enamel Finish				
	Size in inches.....	1/2	3/4	1
	Catalogue Number.....	MP1	MP2	MP3
	Standard Package.....	25	25	25
	Shipping Weight Std. Pkg.	220 lbs.	220 lbs.	220 lbs.
	List Price, each.....	\$2.60	\$2.70	\$2.80


TYPE MPD CONDULETS—Black Enamel Finish				
	Size in inches.....	1/2	3/4	1
	Catalogue Number.....	MPD1	MPD2	MPD3
	Standard Package.....	25	25	25
	Shipping Weight Std. Pkg.	150 lbs.	150 lbs.	150 lbs.
	List Price, each.....	\$2.60	\$2.70	\$2.80


TYPES RQH AND RQK RECEPTACLES AND TYPE RQ PLUGS

Two-Pole Types RQH and RQK Receptacles are for use with Form 10 Condulets of the QH and QK Series, respectively

Three-Pole Types RQH and RQK Receptacles are for use with Form 20 Condulets of the QH and QK Series, respectively

TYPE RQH RECEPTACLES—30 Ampere Capacity For Condulets of the QH Series				
	2-Pole		3-Pole	
	For Form 10 Condulet		For Form 20 Condulet	
	RQH302*	Catalogue Number	RQH303*	
	25	Standard Package.	25	
	30 lbs.	Weight Std. Pkg..	30 lbs.	
	\$2.00	List Price, each..	\$3.00	

TYPE RQK RECEPTACLES—30 Ampere Capacity For Condulets of the QK Series				
	2-Pole		3-Pole	
	For Form 10 Condulet		For Form 20 Condulet	
	RQK302†	Catalogue Number	RQK303*	
	25	Standard Package.	25	
	30 lbs.	Weight Std. Pkg..	30 lbs.	
	\$2.00	List Price, each..	\$3.00	

TYPE RQ PLUGS—30 Ampere Capacity For Types RQH, RQK and RYQ Receptacles				
	2-Pole		3-Pole	
	RQ302	Catalogue Number	RQ303	
	25	Standard Package.	25	
	60 lbs.	Weight Std. Pkg..	70 lbs.	
	\$3.50	List Price, each..	\$5.00	

*To be mounted on fastening strap furnished with the Condulet. †Furnished with special mounting strap.

Condulets that take type RQH receptacles are listed on pages Cross Reference Nos. CH88 and CH89. Condulets that take RQK receptacles are listed on pages Cross Reference Nos. CH90 and CH91. Type RYQ receptacles, which take type RQ plugs, are listed on page Cross Reference No. CH167a.

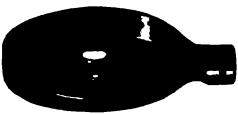





(Cross Reference No. CH91a)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES P, PA, PC, PL, PT AND PX CONDULETS

TAKE 4 TO 6-INCH CANOPIES

For Electroliners and Combination Gas and Electric Fixtures, also Abolite G404

	TYPE P CONDULETS—Black Enamel Finish					
	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
	Catalogue Number..	P1	P2	P3	P4	P5
	Standard Package..	35	25	10	10	10
	Ship. Wt. Std. Pkg.	120 lbs.	110 lbs.	60 lbs.	85 lbs.	90 lbs.
	List Price, each....	\$1.40	\$1.55	\$1.70	\$1.85	\$2.00
	TYPE PA CONDULETS—Black Enamel Finish					
	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
	Catalogue Number..	PA1	PA2	PA3	PA4	PA5
	Standard Package..	35	25	10	10	10
	Ship. Wt. Std. Pkg.	130 lbs.	100 lbs.	50 lbs.	80 lbs.	85 lbs.
	List Price, each....	\$1.40	\$1.55	\$1.70	\$1.85	\$2.00
	TYPE PC CONDULETS—Black Enamel Finish					
	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
	Catalogue Number..	PC11	PC22	PC33	PC44	PC55
	Standard Package..	35	25	10	10	10
	Ship. Wt. Std. Pkg.	160 lbs.	120 lbs.	70 lbs.	85 lbs.	90 lbs.
	List Price, each....	\$1.50	\$1.65	\$1.80	\$1.95	\$2.10
	TYPE PL CONDULETS—Black Enamel Finish					
	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
	Catalogue Number..	PL11	PL22	PL33	PL44	PL55
	Standard Package..	35	25	10	10	10
	Ship. Wt. Std. Pkg.	160 lbs.	120 lbs.	70 lbs.	85 lbs.	90 lbs.
	List Price, each....	\$1.50	\$1.65	\$1.80	\$1.95	\$2.10
	TYPE PT CONDULETS—Black Enamel Finish					
	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
	Catalogue Number..	PT111	PT222	PT333	PT444	PT555
	Standard Package..	35	25	10	10	10
	Ship. Wt. Std. Pkg.	170 lbs.	130 lbs.	75 lbs.	90 lbs.	95 lbs.
	List Price, each....	\$1.70	\$1.90	\$2.10	\$2.30	\$2.50
	TYPE PX CONDULETS—Black Enamel Finish					
	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
	Catalogue Number..	PX1111	PX2222	PX3333	PX4444	PX5555
	Standard Package..	35	25	10	10	10
	Ship. Wt. Std. Pkg.	180 lbs.	140 lbs.	80 lbs.	95 lbs.	100 lbs.
	List Price, each....	\$1.80	\$2.00	\$2.20	\$2.40	\$2.60

For finishes and assortments, see note on page Cross Reference No. CH89.

Grounding clamp, for use with combination gas and electric fixtures, is not included in prices for Condulets of the P series, but will be furnished, if specifically ordered. Condulet reducers are listed on page Cross Reference No. CH171.







(Cross Reference No. CH80a)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES PM, PMA, PMC, PML, PMT AND PMX CONDULETS

TAKE 3 TO 4-INCH CANOPIES

For Electrolliers and Combination Gas and Electric Fixtures, also Abolite G403

	TYPE PM CONDULETS—Black Enamel Finish					
	Size in inches..	1/2	3/4	1	1 1/4	1 1/2
	Catalogue No..	PM1	PM2	PM3	PM4	PM5
	Standard Pkg..	35	25	10	10	10
	Wt. Std. Pkg..	80 lbs.	65 lbs.	45 lbs.	50 lbs.	55 lbs.
	List Price, each	\$.90	\$1.05	\$1.20	\$1.35	\$1.50
	TYPE PMA CONDULETS—Black Enamel Finish					
	Size in inches..	1/2	3/4	1	1 1/4	1 1/2
	Catalogue No..	PMA1	PMA2	PMA3	PMA4	PMA5
	Standard Pkg..	35	25	10	10	10
	Wt. Std. Pkg..	80 lbs.	65 lbs.	45 lbs.	50 lbs.	55 lbs.
	List Price, each	\$.90	\$1.05	\$1.20	\$1.35	\$1.50
	TYPE PMC CONDULETS—Black Enamel Finish					
	Size in inches..	1/2	3/4	1	1 1/4	1 1/2
	Catalogue No..	PMC11	PMC22	PMC33	PMC44	PMC55
	Standard Pkg..	35	25	10	10	10
	Wt. Std. Pkg..	90 lbs.	85 lbs.	45 lbs.	50 lbs.	55 lbs.
	List Price, each	\$1.05	\$1.20	\$1.35	\$1.50	\$1.65
	TYPE PML CONDULETS—Black Enamel Finish					
	Size in inches..	1/2	3/4	1	1 1/4	1 1/2
	Catalogue No..	PML11	PML22	PML33	PML44	PML55
	Standard Pkg..	35	25	10	10	10
	Wt. Std. Pkg..	90 lbs.	85 lbs.	45 lbs.	50 lbs.	55 lbs.
	List Price, each	\$1.05	\$1.20	\$1.35	\$1.50	\$1.65
	TYPE PMT CONDULETS—Black Enamel Finish					
	Size in inches..	1/2	3/4	1	1 1/4	1 1/2
	Catalogue No..	PMT111	PMT222	PMT333	PMT444	PMT555
	Standard Pkg..	35	25	10	10	10
	Wt. Std. Pkg..	120 lbs.	110 lbs.	55 lbs.	60 lbs.	65 lbs.
	List Price, each	\$1.25	\$1.40	\$1.55	\$1.70	\$1.85
	TYPE PMX CONDULETS—Black Enamel Finish					
	Size in inches..	1/2	3/4	1	1 1/4	1 1/2
	Catalogue No..	PMX1111	PMX2222	PMX3333	PMX4444	PMX5555
	Standard Pkg..	35	25	10	10	10
	Wt. Std. Pkg..	140 lbs.	120 lbs.	60 lbs.	65 lbs.	70 lbs.
	List Price, each	\$1.40	\$1.55	\$1.70	\$1.85	\$2.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

For finishes and assortments, see note on page Cross Reference No. CH89.

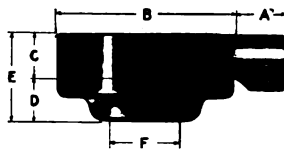
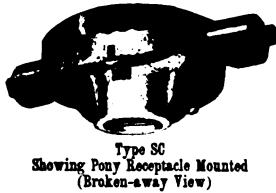
Grounding clamp, for use with combination gas and electric fixtures, is not included in prices for Condulets of the PM series, but will be furnished, if specifically ordered. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH82a)

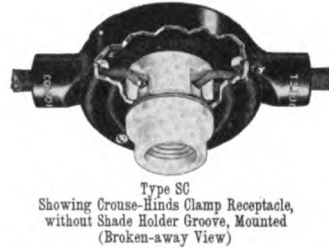
TYPES S, SA AND SC CONDULET BODIES

For Pony Receptacles, Clamp Receptacles and Rosettes, and Hubbell Polarity Plug Receptacle 5757

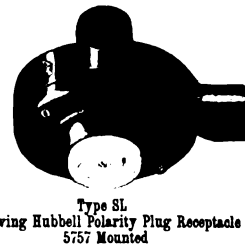
Furnished with Fastening Straps for Fittings and all necessary Screws






Dimensional Drawing for S Series of Condulets



- A—For $\frac{1}{2}$ -inch sizes, $1\frac{1}{2}$ inches
 For $\frac{3}{4}$ -inch sizes, $1\frac{3}{4}$ inches
 For 1-inch sizes, $1\frac{1}{2}$ inches
 B—For all sizes, $3\frac{3}{4}$ inches
 C—For all sizes, $\frac{1}{2}$ inch
 D—For all sizes, $1\frac{1}{2}$ inches
 E—For all sizes, $1\frac{1}{4}$ inches
 F—For type OO cover, $1\frac{1}{2}$ inches
 For type OOK cover, $1\frac{3}{4}$ inches



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE S CONDULET BODIES—Black Enamel Finish				
	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
	Catalogue Number	S1	S2	S3
	Standard Package	100	75	25
	Shipping Weight Std. Pkg.	130 lbs.	110 lbs.	50 lbs.
	List Price, each	\$.70	\$.75	\$.90
TYPE SA CONDULET BODIES—Black Enamel Finish				
	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
	Catalogue Number	SA1	SA2	SA3
	Standard Package	100	75	25
	Shipping Weight Std. Pkg.	130 lbs.	110 lbs.	50 lbs.
	List Price, each	\$.70	\$.75	\$.90
TYPE SC CONDULET BODIES—Black Enamel Finish				
	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
	Catalogue Number	SC11	SC22	SC33
	Standard Package	100	75	25
	Shipping Weight Std. Pkg.	160 lbs.	135 lbs.	65 lbs.
	List Price, each	\$.80	\$.85	\$1.05

Fittings for use with Condulets of the S series are not included in above list prices, but are enumerated on following page.

For finishes and assortments, see note on page Cross Reference No. CH91.




Conduletto clamp receptacles and rosettes, for use with Condulets of the S series, are listed on page Cross Reference No. CH190. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH94)



TYPES SL, ST AND SX CONDULET BODIES

For Pony Receptacles, Clamp Receptacles and Rosettes, and Hubbell Polarity Plug
Receptacle 5757

Furnished with Fastening Straps for Fittings and all necessary Screws

	TYPE SL CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	SL11	SL22	SL33
	Standard Package	100	75	25
	Shipping Weight Std. Pkg.....	160 lbs.	135 lbs.	65 lbs.
	TYPE ST CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	ST111	ST222	ST333
	Standard Package	100	75	25
	Shipping Weight Std. Pkg.....	170 lbs.	140 lbs.	70 lbs.
	TYPE SX CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	SX1111	SX2222	SX3333
	Standard Package	100	75	25
	Shipping Weight Std. Pkg.....	210 lbs.	180 lbs.	80 lbs.
	Size in inches	1/2	3/4	1
	Catalogue Number	SX1111	SX2222	SX3333
	Standard Package	100	75	25
	Shipping Weight Std. Pkg.....	210 lbs.	180 lbs.	80 lbs.
	List Price, each.....	\$1.00	\$1.10	\$1.35

COVERS FOR TYPES S, SA, SC, SL, ST AND SX CONDULET BODIES—Black Enamel Finish. For 1-2, 3-4 and 1-inch Condulet Bodies

	For Receptacles and Rosettes		For Hubbell Plug 5757		Style of Cover	Blank Metal		
	Sheet Steel	Cast Iron	Sheet Steel	Cast Iron		Sheet Steel	Cast Iron	
	00	00g	00k	00kg		00b	00bg	
	100	100	100	100		100	100	
	50 lbs.	50 lbs.	40 lbs.	40 lbs.		70 lbs.	70 lbs.	
	\$.12	\$.35	\$.12	\$.35		\$.12	\$.35	
				..Catalogue No..				
				..Standard Pkg..				
				..Weight Std. Pkg..				
				..List Price, each..				

Fittings for use with Condulets of the S series are not included in above list prices, but are as follows:

Pony Receptacles: ARROW E—28795, 50715. BRYANT—28795, 50715. G. E. CO.—11221, 28795, 50715. PAISTE—28795, 50715. P. & S.—61870.

Clamp Receptacles and Rosettes: CONDULETTA (Crouse-Hinds)—C337G, C337, C442, C448, C449. ARROW E—8100, 59108. BRYANT—59108, 61988. FEDERAL—303, 304, 305. G. E. CO.—105001. PAISTE—59439, 61988. P. & S.—61877, 61988, 102703.

Polarity Plug Receptacle: HUBBELL—5757.

Types 00 and 00g covers have openings 1 1/2 inches in diameter. Types 00k and 00kg covers have openings 1 1/2 inches in diameter.

Proper fastening screws are furnished with covers, and are so held in screw holes that they can not fall out.

For finishes, see note on page Cross Reference No. CH91.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. Black enameled and galvanized covers of all three styles may be assorted to make up a standard package. No other assortments are allowed.

Standard package discount is allowed on covers when an order is for a standard package of Condulet bodies and an equal number of covers for those bodies; but on an order for covers alone, standard package discount is allowed, only, on the specified standard package quantity for those covers.

Conduletto clamp receptacles and rosettes, for use with Condulets of the S series, are listed on page Cross Reference No. CH190. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH95)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES V, VA AND VC IRON CONDULETS

Vapor, Gas and Dust-Proof—Take any Regular Mazda Lamp up to and Including 40-Watt, or any Lamp with Dimensions not Exceeding $2\frac{3}{4} \times 5\frac{1}{4}$ Inches

Furnished with Crouse-Hinds Receptacle CCV337, Sealing Plate, Gaskets and all necessary Fastening Screws, and with or without Globe and Guard

For marine work and in breweries, refineries, flour mills or wherever there is dampness, gas or fine dust, Condulets of the V series meet every requirement.

These Condulets remain vapor, gas and dust-proof even though globes be broken or removed for lamp renewals.

Crouse-Hinds receptacle CCV337 is the only receptacle that can be mounted in these Condulets.



Type V
(Padlock not included in list prices)

TYPE V CONDULETS—IRON—Black Enamel Finish

	Size in inches.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Complete	Catalogue Number	V189	V289	V389
	Standard Package	35	25	10
	Weight Std. Pkg.....	230 lbs.	180 lbs.	100 lbs.
	List Price, each	\$4.50	\$4.55	\$4.60
Complete, except Globe and Guard	Catalogue Number	V1	V2	V3
	Standard Package	35	25	10
	Weight Std. Pkg.....	125 lbs.	100 lbs.	50 lbs.
	List Price, each	\$1.90	\$1.95	\$2.00



TYPE VA CONDULETS—IRON—Black Enamel Finish

	Size in inches.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Complete	Catalogue Number	VA189	VA289	VA389
	Standard Package	35	25	10
	Weight Std. Pkg.....	230 lbs.	180 lbs.	100 lbs.
	List Price, each.....	\$4.50	\$4.55	\$4.60
Complete, except Globe and Guard	Catalogue Number	VA1	VA2	VA3
	Standard Package	35	25	10
	Weight Std. Pkg.....	125 lbs.	100 lbs.	50 lbs.
	List Price, each.....	\$1.90	\$1.95	\$2.00



TYPE VC CONDULETS—IRON—Black Enamel Finish

	Size in inches.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Complete	Catalogue Number	VC1189	VC2289	VC3389
	Standard Package	35	25	10
	Weight Std. Pkg.....	250 lbs.	190 lbs.	110 lbs.
	List Price, each.....	\$4.60	\$4.70	\$4.80
Complete, except Globe and Guard	Catalogue Number	VC11	VC22	VC33
	Standard Package	35	25	10
	Weight Std. Pkg.....	135 lbs.	110 lbs.	60 lbs.
	List Price, each.....	\$2.00	\$2.10	\$2.20

For finishes, assortments and other important information, see note on the following page.
Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH98)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES VL, VT AND VX IRON CONDULETS

Vapor, Gas and Dust-Proof—Take any Regular Mazda Lamp up to and Including
40-Watt, or any Lamp with Dimensions not Exceeding $2\frac{3}{4}$ x $5\frac{1}{4}$ Inches

Furnished with Crouse-Hinds Receptacle CCG337, Sealing Plate, Gaskets and all necessary
Fastening Screws, and with or without Globe and Guard



TYPE VL CONDULETS—IRON—Black Enamel Finish

	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Complete	Catalogue Number	VL1189	VL2289	VL3389
	Standard Package	35	25	10
	Weight Std. Pkg.	250 lbs.	190 lbs.	110 lbs.
	List Price, each	\$4.60	\$4.70	\$4.80
Complete, except Globe and Guard	Catalogue Number	VL11	VL22	VL33
	Standard Package	35	25	10
	Weight Std. Pkg.	135 lbs.	110 lbs.	60 lbs.
	List Price, each	\$2.00	\$2.10	\$2.20



TYPE VT CONDULETS—IRON—Black Enamel Finish

	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Complete	Catalogue Number	VT11189	VT22289	VT33389
	Standard Package	35	25	10
	Weight Std. Pkg.	255 lbs.	195 lbs.	115 lbs.
	List Price, each	\$4.75	\$4.85	\$5.05
Complete, except Globe and Guard	Catalogue Number	VT111	VT222	VT333
	Standard Package	35	25	10
	Weight Std. Pkg.	140 lbs.	120 lbs.	70 lbs.
	List Price, each	\$2.15	\$2.25	\$2.45



TYPE VX CONDULETS—IRON—Black Enamel Finish

	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Complete	Catalogue Number	VX111189	VX222289	VX333389
	Standard Package	35	25	10
	Weight Std. Pkg.	265 lbs.	200 lbs.	120 lbs.
	List Price, each	\$4.85	\$5.05	\$5.20
Complete, except Globe and Guard	Catalogue Number	VX1111	VX2222	VX3333
	Standard Package	35	25	10
	Weight Std. Pkg.	150 lbs.	130 lbs.	80 lbs.
	List Price, each	\$2.25	\$2.45	\$2.60

Clear globes are regularly furnished on orders for complete Condulets.

Colored globes will be furnished with Condulets of the V series, if specifically ordered, at the following increases over list prices for complete Condulets: opal, \$.30; green, blue or orange, \$.90; ruby, \$1.55.

Globes and guards for Condulets of the V series are made in one size only.

Padlock is not included in prices for Condulets of the V series, but will be furnished, if specifically ordered.

Finishes: Black enamel is the standard finish for Condulets, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulets will be furnished, at same price as for all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulets with plain and special finishes, aluminum Condulets with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulets of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Globes and Guards are listed separately on page Cross Reference No. CH173. Sealing plate is listed separately on page Cross Reference No. CH173. Gaskets are listed separately on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH99)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES VH, VHA AND VHC IRON CONDULETS

Vapor, Gas and Dust-Proof—Take any Regular Mazda Lamp up to and Including 100-Watt,
or any Lamp with Dimensions not Exceeding $3\frac{3}{4} \times 7\frac{3}{4}$ Inches

Furnished with Crouse-Hinds Receptacle CCV337, Sealing Plate, Gaskets and all necessary
Fastening Screws, and with or without Globe and Guard



Type VH
(Padlock not included in list prices)

For marine work and in breweries, refineries, flour mills or wherever there is dampness, gas or fine dust, Condulets of the VH series meet every requirement.

These condulets remain vapor, gas and dust-proof even though globes be broken or removed for lamp renewals.

Crouse-Hinds receptacle CCV337 is the only receptacle that can be mounted in these Condulets.

TYPE VH CONDULETS—IRON—Black Enamel Finish

	Size in inches.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Complete	Catalogue Number	VH189	VH289	VH389
	Standard Package.	35	25	10
	Ship. Wt. Std. Pkg.	285 lbs.	220 lbs.	120 lbs.
	List Price, each....	\$5.40	\$5.45	\$5.50
Complete, except Globe and Guard	Catalogue Number	VH1	VH	VH3
	Standard Package.	35	25	10
	Ship. Wt. Std. Pkg.	135 lbs.	110 lbs.	60 lbs.
	List Price, each....	\$2.35	\$2.40	\$2.45



TYPE VHA CONDULETS—IRON—Black Enamel Finish

	Size in inches.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Complete	Catalogue Number	VHA189	VHA289	VHA389
	Standard Package.	35	25	10
	Ship. Wt. Std. Pkg.	285 lbs.	220 lbs.	120 lbs.
	List Price, each....	\$5.40	\$5.45	\$5.50
Complete, except Globe and Guard	Catalogue Number	VHA1	VHA2	VHA3
	Standard Package.	35	25	10
	Ship. Wt. Std. Pkg.	135 lbs.	110 lbs.	60 lbs.
	List Price, each....	\$2.35	\$2.40	\$2.45



TYPE VHC CONDULETS—IRON—Black Enamel Finish

	Size in inches.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Complete	Catalogue Number	VHC1189	VHC2289	VHC3389
	Standard Package.	35	25	10
	Ship. Wt. Std. Pkg.	295 lbs.	230 lbs.	125 lbs.
	List Price, each....	\$5.50	\$5.60	\$5.65
Complete, except Globe and Guard	Catalogue Number	VHC11	VHC22	VHC33
	Standard Package.	35	25	10
	Ship. Wt. Std. Pkg.	145 lbs.	120 lbs.	65 lbs.
	List Price, each....	\$2.45	\$2.55	\$2.60

For finishes, assortments and other important information, see note on following page.

Condulet reducers are listed on page Cross Reference No. CH171.

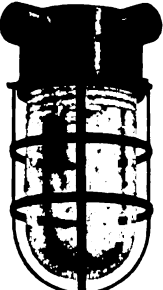
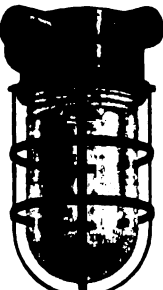
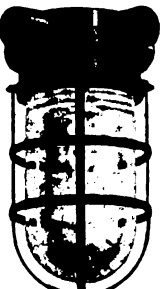
(Cross Reference No. CH102)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES VHL, VHT AND VHX IRON CONDULETS

Vapor, Gas and Dust-Proof—Take any Regular Mazda Lamp up to and Including 100-Watt, or any Lamp with Dimensions not Exceeding 3¾ x 7¾ Inches

Furnished with Crouse-Hinds Receptacle GCV337, Sealing Plate, Gaskets and all necessary Fastening Screws, and with or without Globe and Guard

	TYPE VHL CONDULETS—IRON—Black Enamel Finish				
		Size in inches.....	½	¾	1
	Complete	Catalogue Number.....	VHL1189	VHL2289	VHL3389
		Standard Package.....	35	25	10
		Ship. Wt. Std. Pkg.....	295 lbs.	220 lbs.	120 lbs.
		List Price, each.....	\$5.50	\$5.60	\$5.65
	Complete, except Globe and Guard	Catalogue Number.....	VHL11	VHL22	VHL33
		Standard Package.....	35	25	10
		Ship. Wt. Std. Pkg.....	140 lbs.	110 lbs.	60 lbs.
		List Price, each.....	\$2.45	\$2.55	\$2.60
	TYPE VHT CONDULETS—IRON—Black Enamel Finish				
		Size in inches.....	½	¾	1
	Complete	Catalogue Number.....	VHT11189	VHT22289	VHT33389
		Standard Package.....	35	25	10
		Ship. Wt. Std. Pkg.....	305 lbs.	230 lbs.	125 lbs.
		List Price, each.....	\$5.60	\$5.75	\$5.85
	Complete, except Globe and Guard	Catalogue Number.....	VHT111	VHT222	VHT333
		Standard Package.....	35	25	10
		Ship. Wt. Std. Pkg.....	150 lbs.	120 lbs.	65 lbs.
		List Price, each.....	\$2.55	\$2.70	\$2.80
	TYPE VHX CONDULETS—IRON—Black Enamel Finish				
		Size in inches.....	½	¾	1
	Complete	Catalogue Number.....	VHX111189	VHX222289	VHX333389
		Standard Package.....	35	25	10
		Ship. Wt. Std. Pkg.....	310 lbs.	240 lbs.	130 lbs.
		List Price, each.....	\$5.70	\$5.90	\$6.05
	Complete, except Globe and Guard	Catalogue Number.....	VHX1111	VHX2222	VHX3333
		Standard Package.....	35	25	10
		Ship. Wt. Std. Pkg.....	160 lbs.	130 lbs.	70 lbs.
		List Price, each.....	\$2.65	\$2.85	\$3.00

Clear globes are regularly furnished on orders for complete Condulets.

Colored globes will be furnished with Condulets of the VH series, if specifically ordered, at the following increases over list prices for complete Condulets: opal, \$.90; green, blue or orange, \$1.55; ruby, \$2.10.

Globes and guards for Condulets of the VH series are made in one size only.

Padlock is not included in prices for Condulets of the VH series, but will be furnished, if specifically ordered.

Finishes: Black enamel is the standard finish for Condulets, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulets will be furnished, at same price as for all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze Condulets with plain and special finishes, aluminum Condulets with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulets of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Globes and Guards are listed separately on page Cross Reference No. CH173. Sealing plate is listed separately on page Cross Reference No. CH173. Gaskets are listed separately on page Cross Reference No. CH176. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH103)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE VS HAND LAMPS

Vapor, Gas and Dust-proof Portable Hand Lamp

Takes any Lamp with Dimensions not Exceeding 2½x5¼ Inches*

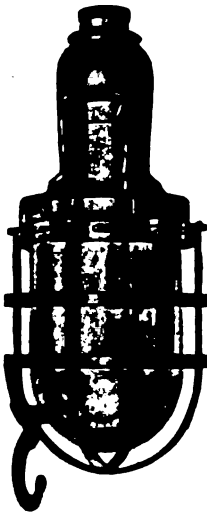
Furnished with Crouse-Hinds Receptacle C9514, Clear Globe, Guard and Gaskets

Type VS hand lamps are exceptionally well suited for use in garages, refineries, flour mills, for marine work, or wherever there is inflammable vapor, fine dust or moisture in the air.

Globes listed below can also be used on the V series of Condulets, and when so used take any lamp with dimensions not exceeding 2½x4¼ inches. These dimensions permit the use of any lamp having a bulb that is no larger than an S14 or G18½.

The globes listed below are smaller than those listed on other pages and when used on Condulets of the V series require a correspondingly smaller guard than that listed on another page. This smaller guard is listed below.

Guards VS095 and VS950, listed below for use with type VS hand lamps, have a hook and are provided with a locking cam, which is held closed by a knurled screw. Guards V950 and V95, listed below for use with Condulets of the V series, have no hook and are provided with a locking cam, which is arranged to take a padlock.



Type VS Hand Lamp

TYPE VS HAND LAMP—Aluminum

Finish	Scratch Brush
Catalogue Number	VS100895
Standard Package	35
Shipping Weight Std. Pkg.	105 lbs.
List Price, each	\$6.15

TYPE VS HAND LAMP—Brass

Finish	Marine
Catalogue Number	VS10895
Standard Package	35
Shipping Weight Std. Pkg.	265 lbs.
List Price, each	\$9.00

GLOBES—5 Inches in Overall Length

For Type VS Hand Lamps and Condulets of the V Series**



Color	Clear	Opal	Green	Blue	Orange	Ruby
Catalogue No.	V85	V415	V425	V435	V445	V455
Standard Pkg.	35	35	35	35	35	35
Wt. Std. Pkg.	40 lbs.	40 lbs.	40 lbs.	40 lbs.	40 lbs.	40 lbs.
List Price, each	\$.80	\$1.10	\$1.70	\$1.70	\$1.70	\$2.35

GUARDS—Brass

For Globes Listed on this Page

For Type VS Hand Lamps

For Condulets of the V Series**



VS095

Galvan-ized	Marine	Finish	Marine	Black
VS095	VS950	Catalogue No..	V950	V95
35	35	Standard Pkg..	35	35
40 lbs.	40 lbs.	Wt. Std. Pkg..	40 lbs.	40 lbs.
\$2.00	\$2.00	List Price, each	\$1.80	\$1.80



V95






*These dimensions permit the use of any lamp having a bulb that is no larger than an S19 or G18½.
 **The V series of Condulets are listed on pages Cross Reference Nos. CH98 to CH101, inclusive.

If specified on order, leather gaskets will be furnished with type VS hand lamp, instead of rubber gaskets, without extra charge.

(Cross Reference No. CH113a)



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES W, WC, WL, WT AND WX CONDULET BODIES **FOR PLUG RECEPTACLES—HUBBELL, 5624; GENERAL ELECTRIC CO., 102700**

	TYPE W CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	W1	W2	W3
	Standard Package	100	75	25
	Shipping Weight Std. Pkg.	115 lbs.	90 lbs.	45 lbs.
	List Price, each	\$.50	\$.60	\$.70
	TYPE WC CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	WC11	WC22	WC33
	Standard Package	100	75	25
	Shipping Weight Std. Pkg.	140 lbs.	110 lbs.	55 lbs.
	List Price, each	\$.60	\$.65	\$.80
	TYPE WL CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	WL11	WL22	WL33
	Standard Package	100	75	25
	Shipping Weight Std. Pkg.	140 lbs.	110 lbs.	55 lbs.
	List Price, each	\$.60	\$.65	\$.80
	TYPE WT CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	WT111	WT222	WT333
	Standard Package	100	75	25
	Shipping Weight Std. Pkg.	150 lbs.	120 lbs.	60 lbs.
	List Price, each	\$.70	\$.80	\$1.00
	TYPE WX CONDULET BODIES—Black Enamel Finish			
	Size in inches	1/2	3/4	1
	Catalogue Number	WX1111	WX2222	WX3333
	Standard Package	100	75	25
	Shipping Weight Std. Pkg.	160 lbs.	150 lbs.	75 lbs.
	List Price, each	\$.80	\$.90	\$1.15

COVERS

For Types W, WC, WL, WT and WX Condulet Bodies—Black Enamel Finish
 For 1-2, 3-4 and 1-Inch Condulet Bodies

	For Attach. Plug		.....Style of Cover.....	Blank Metal		
	Sheet Steel	Cast Iron		Sheet Steel	Cast Iron	
	0	0g	...Catalogue Number...	0b	0bg	
	100	100	...Standard Package...	100	100	
	30 lbs.	30 lbs.	...Weight Std. Pkg....	35 lbs.	35 lbs.	
	\$.10	\$.20	...List Price, each....	\$.10	\$.20	

Proper fastening screws are furnished with covers, and are so held in screw holes that they can not fall out.

Finishes: Black enamel is the standard finish for both Condulet bodies and metal covers, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulet bodies and all galvanized finish on covers will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes on Condulet bodies and covers, cast brass and cast bronze Condulet bodies and brass and bronze covers with plain and special finishes, aluminum Condulet bodies and covers with plain and black enamel finish, see page Cross Reference No. CH182.

Black enameled and galvanized Condulet bodies of the same type and size may be assorted to make up a standard package. No other assortment of Condulet bodies is allowed.

Black enameled and galvanized covers of both styles for Condulet bodies of the W series may be assorted to make up a standard package.

(Cross Reference No. CH114a)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.


TYPE Y CONDULETS

FOR CARTRIDGE OR PLUG FUSE CUT-OUTS

Furnished with Universal Cut-out Fastening Plate and all necessary Bolts and Screws

TYPE Y CONDULETS—DEAD END—Black Enamel Finish

For 30 Ampere, 250 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished



Style of Cut-out	Size in inches	1/2	3/4	1
2-wire	Catalogue Number ..	Y1302	Y2302	Y3302
	Standard Package...	15	15	10
	Weight Std. Pkg.	110 lbs.	120 lbs.	90 lbs.
	List Price, each	\$1.45	\$1.55	\$1.65
Style of Cut-out	Size in inches	1 1/4	1 1/2	2
2-wire	Catalogue Number ..	Y4302	Y5302	Y6302
	Standard Package...	10	5	5
	Weight Std. Pkg.	100 lbs.	60 lbs.	75 lbs.
	List Price, each	\$1.85	\$1.95	\$2.15

Style of Cut-out	Size in inches	1/2	3/4	1	1 1/4	1 1/2
3-wire	Catalogue Number..	Y1303	Y2303	Y3303	Y4303	Y5303
	Standard Package...	15	15	10	10	5
	Weight Std. Pkg.	140 lbs.	150 lbs.	100 lbs.	110 lbs.	65 lbs.
	List Price, each	\$1.95	\$2.05	\$2.15	\$2.30	\$2.45

For 60 Ampere, 250 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished

Style of Cut-out	Size in inches	3/4	1	1 1/4	1 1/2	2
2-wire	Catalogue Number . .	Y2602	Y3602	Y4602	Y5602	Y6602
	Standard Package . .	15	10	10	5	5
	Weight Std. Pkg. . . .	170 lbs.	120 lbs.	130 lbs.	75 lbs.	80 lbs.
	List Price, each	\$2.40	\$2.55	\$2.75	\$2.90	\$3.00
Style of Cut-out	Size in inches	3/4	1	1 1/4	1 1/2	2
3-wire	Catalogue Number . .	Y2603	Y3603	Y4603	Y5603	Y6603
	Standard Package . .	15	10	10	5	5
	Weight Std. Pkg. . . .	220 lbs.	150 lbs.	160 lbs.	90 lbs.	95 lbs.
	List Price, each	\$3.15	\$3.25	\$3.55	\$3.70	\$3.85

The universal cut-out fastening plates, furnished with the above Condulets, take the following cut-outs:

30 Ampere, 250 Volt, Cartridge and 30 Ampere, 125 Volt, Plug Fuse Cut-outs

2-Wire: BRYANT—(Cartridge) 1917, (Plug) 62965. D. & W.—(Cartridge) 91102. G. E. CO.—(Cartridge) 34367, (Plug) 62965. NOARK—(Cartridge) 3327. PAISTE—(Cartridge) 72965, (Plug) 2965. SHAWMUT—(Cartridge) 2077. TRUMBULL—(Cartridge) 29653, (Plug) 2965. WEBER—(Plug) 62965. UNION—(Cartridge) 2010.

3-Wire: BRYANT—(Cartridge) 1924, (Plug) 62165. D. & W.—(Cartridge) 91103. G. E. CO.—(Cartridge) 34372, (Plug) 62165. NOARK—(Cartridge) 3328. PAISTE—(Cartridge) 72165, (Plug) 2165. SHAWMUT—(Cartridge) 2079. TRUMBULL—(Cartridge) 21653, (Plug) 2165. WEBER—(Plug) 62165. UNION—(Cartridge) 2012.

60 Ampere, 250 Volt, Cut-outs

2-Wire: BRYANT—(Cartridge) 1918. D. & W.—(Cartridge) 91108. G. E. CO.—(Cartridge) 34375. NOARK—(Cartridge) 3329. PAISTE—(Cartridge) 82965. SHAWMUT—(Cartridge) 2078. TRUMBULL—(Cartridge) 29656. UNION—(Cartridge) 2011.

3-Wire: BRYANT—(Cartridge) 1925. D. & W.—(Cartridge) 91109. G. E. CO.—(Cartridge) 34377. NOARK—(Cartridge) 3330. PAISTE—(Cartridge) 82165. SHAWMUT—(Cartridge) 2080. TRUMBULL—(Cartridge) 21656. UNION—(Cartridge) 2013.

For finishes, see note on page Cross Reference No. CH91.

Black enameled and galvanized Condulets of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH119)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES Y AND YC CONDULETS

FOR CARTRIDGE OR PLUG FUSE CUT-OUTS

Furnished with Universal Cut-out Fastening Plate and all necessary Bolts and Screws

TYPE Y CONDULETS—DEAD END—Black Enamel Finish—Continued

For 100 Ampere, 250 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished

Style of Cut-out	Size in inches	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
2-wire	Catalogue Number	Y31002	Y41002	Y51002	Y61002	Y71002
	Standard Package	10	10	5	5	5
	Weight Std. Pkg.	220 lbs.	230 lbs.	120 lbs.	130 lbs.	140 lbs.
	List Price, each	\$5.20	\$5.50	\$5.65	\$5.75	\$5.85
Style of Cut-out	Size in inches	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
3-wire	Catalogue Number	Y31003	Y41003	Y51003	Y61003	Y71003
	Standard Package	10	10	5	5	5
	Weight Std. Pkg.	230 lbs.	240 lbs.	140 lbs.	150 lbs.	160 lbs.
	List Price, each	\$5.80	\$6.25	\$6.35	\$6.45	\$6.55

For 30 or 60 Ampere, 600 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished

Style of Cut-out	Size in inches	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$
1-wire	Catalogue Number	Y16016	Y26016	Y36016	Y46016	Y56016
	Standard Package	15	15	10	10	5
	Weight Std. Pkg.	175 lbs.	185 lbs.	125 lbs.	130 lbs.	70 lbs.
	List Price, each	\$3.15	\$3.25	\$3.35	\$3.45	\$3.55

The universal cut-out fastening plates, furnished with the above Condulets, take the following cut-outs:

100 Ampere, 250 Volt, Cut-outs

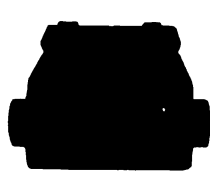
2-Wire: BRYANT—(Cartridge) 271. D. & W.—(Cartridge) 91119. G. E. CO.—(Cartridge) 36801. NOARK—(Cartridge) 3331. SHAWMUT—(Cartridge) 2101. UNION—(Cartridge) 2014.
 3-Wire: BRYANT—(Cartridge) 272. D. & W.—(Cartridge) 91120. G. E. CO.—(Cartridge) 36800. NOARK—(Cartridge) 3332. SHAWMUT—(Cartridge) 2102. UNION—(Cartridge) 2015.

30 and 60 Ampere, 600 Volt, Cut-outs

1-Wire, 30 Ampere: BRYANT—(Cartridge) 1937. D. & W.—(Cartridge) 28076. G. E. CO.—(Cartridge) 34991. NOARK—(Cartridge) 5600. SHAWMUT—(Cartridge) 20735. UNION—(Cartridge) 4003.
 1-Wire, 60 Ampere: BRYANT—(Cartridge) 1938. D. & W.—(Cartridge) 28077. G. E. CO.—(Cartridge) 35101. NOARK—(Cartridge) 5601. SHAWMUT—(Cartridge) 20745. UNION—(Cartridge) 4004.

TYPE YC CONDULETS—THROUGH FEED—Black Enamel Finish

For 30 Ampere, 250 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished



Style of Cut-out	Size in inches	$\frac{1}{2}$ — $\frac{1}{2}$	$\frac{3}{4}$ — $\frac{3}{4}$	1—1
2-wire	Catalogue Number	YC11302	YC22302	YC33302
	Standard Package	15	15	10
	Weight Std. Pkg.	120 lbs.	130 lbs.	100 lbs.
	List Price, each	\$1.70	\$1.80	\$1.90
Style of Cut-out	Size in inches	1 $\frac{1}{4}$ —1 $\frac{1}{4}$	1 $\frac{1}{2}$ —1 $\frac{1}{2}$	2—2
2-wire	Catalogue Number	YC44302	YC55302	YC66302
	Standard Package	10	5	5
	Weight Std. Pkg.	110 lbs.	65 lbs.	70 lbs.
	List Price, each	\$2.10	\$2.20	\$2.40

The universal cut-out fastening plates, furnished with the above Condulets, take the following cut-outs:

2-Wire, 30 Ampere Cut-outs: BRYANT—(Cartridge) 1917, (Plug) 62965. D. & W.—(Cartridge) 91102. G. E. CO.—(Cartridge) 34367, (Plug) 62965. NOARK—(Cartridge) 3327. PAISTE—(Cartridge) 72965, (Plug) 2965. SHAWMUT—(Cartridge) 2077. TRUMBULL—(Cartridge) 29653, (Plug) 2965. WEBER—(Plug) 62965. UNION—(Cartridge) 2010.

For finishes and assortments, see note on page Cross Reference No. CH91.

Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH120)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE YC CONDULETS

FOR CARTRIDGE OR PLUG FUSE CUT-OUTS

Furnished with Universal Cut-out Fastening Plate and all necessary Bolts and Screws

TYPE YC CONDULETS—THROUGH FEED—Black Enamel Finish—Continued

For 30 Ampere, 250 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished

Style of Cut-out	Size in inches....	$\frac{1}{2}$ — $\frac{1}{2}$	$\frac{3}{4}$ — $\frac{3}{4}$	1—1	$1\frac{1}{4}$ — $1\frac{1}{4}$	$1\frac{1}{2}$ — $1\frac{1}{2}$
3-wire	Catalogue No....	YC11303	YC22303	YC33303	YC44303	YC55303
	Standard Package.	15	15	10	10	5
	Weight Std. Pkg..	140 lbs.	145 lbs.	120 lbs.	130 lbs.	70 lbs.
	List Price, each...	\$2.15	\$2.25	\$2.35	\$2.60	\$2.70

For 60 Ampere, 250 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished

Style of Cut-out	Size in inches....	$\frac{3}{4}$ — $\frac{3}{4}$	1—1	$1\frac{1}{4}$ — $1\frac{1}{4}$	$1\frac{1}{2}$ — $1\frac{1}{2}$	2—2
2-wire	Catalogue No....	YC22602	YC33602	YC44602	YC55602	YC66602
	Standard Package.	15	10	10	5	5
	Weight Std. Pkg..	210 lbs.	145 lbs.	150 lbs.	85 lbs.	90 lbs.
	List Price, each...	\$2.65	\$2.75	\$2.85	\$3.15	\$3.25

Style of Cut-out	Size in inches....	$\frac{3}{4}$ — $\frac{3}{4}$	1—1	$1\frac{1}{4}$ — $1\frac{1}{4}$	$1\frac{1}{2}$ — $1\frac{1}{2}$	2—2
3-wire	Catalogue No....	YC22603	YC33603	YC44603	YC55603	YC66603
	Standard Package.	15	10	10	5	5
	Weight Std. Pkg..	260 lbs.	170 lbs.	180 lbs.	100 lbs.	105 lbs.
	List Price, each...	\$3.40	\$3.50	\$3.60	\$3.95	\$4.10

For 100 Ampere, 250 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished

Style of Cut-out	Size in inches....	1—1	$1\frac{1}{4}$ — $1\frac{1}{4}$	$1\frac{1}{2}$ — $1\frac{1}{2}$	2—2	$2\frac{1}{2}$ — $2\frac{1}{2}$
2-wire	Catalogue No....	YC331002	YC441002	YC551002	YC661002	YC771002
	Standard Package.	10	10	5	5	5
	Weight Std. Pkg..	270 lbs.	280 lbs.	140 lbs.	150 lbs.	160 lbs.
	List Price, each...	\$5.45	\$5.80	\$5.90	\$6.10	\$6.20

Style of Cut-out	Size in inches....	1—1	$1\frac{1}{4}$ — $1\frac{1}{4}$	$1\frac{1}{2}$ — $1\frac{1}{2}$	2—2	$2\frac{1}{2}$ — $2\frac{1}{2}$
3-wire	Catalogue No....	YC331003	YC441003	YC551003	YC661003	YC771003
	Standard Package.	10	10	5	5	5
	Weight Std. Pkg..	280 lbs.	290 lbs.	145 lbs.	150 lbs.	160 lbs.
	List Price, each...	\$6.10	\$6.50	\$6.65	\$6.75	\$6.90

For 30 or 60 Ampere, 600 Volt, N. E. C. Main Line Cut-outs—Cut-outs not Furnished

Style of Cut-out	Size in inches....	$\frac{1}{2}$ — $\frac{1}{2}$	$\frac{3}{4}$ — $\frac{3}{4}$	1—1	$1\frac{1}{4}$ — $1\frac{1}{4}$	$1\frac{1}{2}$ — $1\frac{1}{2}$
1-wire	Catalogue No....	YC116016	YC226016	YC336016	YC446016	YC556016
	Standard Package.	15	15	10	10	5
	Weight Std. Pkg..	180 lbs.	190 lbs.	130 lbs.	140 lbs.	80 lbs.
	List Price, each...	\$3.30	\$3.45	\$3.60	\$3.60	\$3.90

The universal cut-out fastening plates, furnished with the above Condulets, take the following cut-outs:

30 Ampere, 250 Volt, Cartridge and 30 Ampere, 125 Volt, Plug Fuse Cut-outs

3-Wire: BRYANT—(Cartridge) 1924, (Plug) 62165. D. & W.—(Cartridge) 91103. G. E. CO.—(Cartridge) 34372, (Plug) 62165. NOARK—(Cartridge) 3328. PAISTE—(Cartridge) 72165, (Plug) 2165. SHAWMUT—(Cartridge) 2079. TRUMBULL—(Cartridge) 21653, (Plug) 2165. WEBER—(Plug) 62165. UNION—(Cartridge) 2012.

60 Ampere, 250 Volt, Cut-outs

2-Wire: BRYANT—(Cartridge) 1918. D. & W.—(Cartridge) 91108. G. E. CO.—(Cartridge) 34376. NOARK—(Cartridge) 3329. PAISTE—(Cartridge) 82965. SHAWMUT—(Cartridge) 2078. TRUMBULL—(Cartridge) 29656. UNION—(Cartridge) 2011.

3-Wire: BRYANT—(Cartridge) 1925. D. & W.—(Cartridge) 91109. G. E. CO.—(Cartridge) 34377. NOARK—(Cartridge) 3330. PAISTE—(Cartridge) 82165. SHAWMUT—(Cartridge) 2080. TRUMBULL—(Cartridge) 21656. UNION—(Cartridge) 2013.

2-Wire, 100 Ampere and 3-Wire, 100 Ampere, 250 Volt, Cut-outs } See enumeration of cut-outs under type Y
1-Wire, 30 Ampere and 1-Wire, 60 Ampere, 600 Volt, Cut-outs } Condulets on preceding page.

For finishes and assortments, see note on page Cross Reference No. CH91.

Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH121)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.


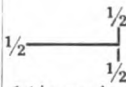
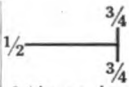
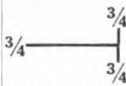
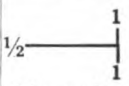
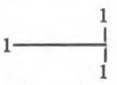
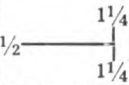
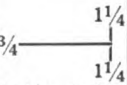
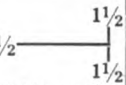
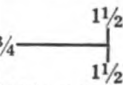
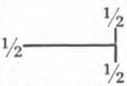
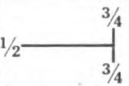
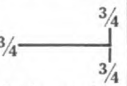
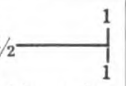
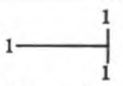
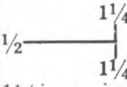
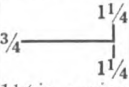
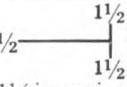
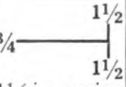
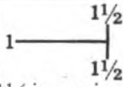
FOR CARTRIDGE OR PLUG FUSE CUT-OUTS

Furnished with Universal Cut-out Fastening Plate and all necessary Bolts and Screws

TYPE YS CONDULETS—THROUGH FEED—Black Enamel Finish

For 30 Ampere, 250 Volt, N. E. C. Single Branch Cut-outs—Cut-outs not Furnished



	Style of Cut-out	Size in inches.....				
	2 to 2-wire	Catalogue Number	YS111302	YS212302		
		Standard Package	15	15		
		Shipping Weight Std. Pkg ..	150 lbs.	150 lbs.		
		List Price, each.....	\$2.00	\$2.10		
	Style of Cut-out	Size in inches.....				
	2 to 2-wire	Catalogue Number	YS222302	YS313302		
		Standard Package.....	15	10		
		Shipping Weight Std. Pkg..	160 lbs.	100 lbs.		
		List Price, each.....	\$2.10	\$2.15		
Style of Cut-out	Size in inches					
		1 in. mains 1 in. branch	1 1/4 in. mains 1/2 in. branch	1 1/4 in. mains 3/4 in. branch	1 1/2 in. mains 1/2 in. branch	1 1/2 in. mains 3/4 in. branch
2 to 2-wire	Catalogue No.... Standard Package Weight Std. Pkg.. List Price, each ..	YS333302 10 100 lbs. \$2.30	YS414302 10 105 lbs. \$2.60	YS424302 10 110 lbs. \$2.70	YS515302 5 70 lbs. \$2.85	YS525302 5 75 lbs. \$2.90
Style of Cut-out	Size in inches					
		1/2 in. mains 1/2 in. branch	3/4 in. mains 1/2 in. branch	3/4 in. mains 3/4 in. branch	1 in. mains 1/2 in. branch	1 in. mains 1 in. branch
3 to 3-wire	Catalogue No.... Standard Package Weight Std. Pkg.. List Price, each ..	YS111303 15 210 lbs. \$2.80	YS212303 15 220 lbs. \$2.90	YS222303 15 230 lbs. \$2.90	YS313303 10 130 lbs. \$3.00	YS333303 10 135 lbs. \$3.15
Style of Cut-out	Size in inches					
		1 1/4 in. mains 1/2 in. branch	1 1/4 in. mains 3/4 in. branch	1 1/2 in. mains 1/2 in. branch	1 1/2 in. mains 3/4 in. branch	1 1/2 in. mains 1 in. branch
3 to 3-wire	Catalogue No.... Standard Package Weight Std. Pkg.. List Price, each ..	YS414303 10 130 lbs. \$3.35	YS424303 10 140 lbs. \$3.45	YS515303 5 85 lbs. \$3.55	YS525303 5 90 lbs. \$3.65	YS535303 5 95 lbs. \$3.75

The universal cut-out fastening plates, furnished for above Condulets, take 30 ampere cut-outs enumerated on following page. For finishes and assortments, see note on page Cross Reference No. CH91. Condulet reducers are listed on page Cross Reference No. CH171.

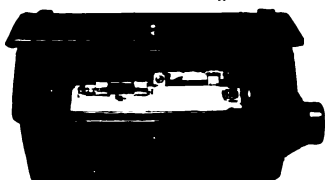
(Cross Reference No. CH124)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION

TYPE YK CONDULETS

FOR KNIFE SWITCHES ARRANGED FOR CARTRIDGE OR PLUG FUSES

Furnished with Universal Fastening Plate and all necessary Bolts and Screws

Type YK with Type YKK
Switches InstalledType YK with Knife Switch,
arranged for Plug Fuses, Installed

TYPE YK CONDULETS—DEAD END—Black Enamel Finish

For Knife Switches arranged for N. E. C. 30 Ampere, 250 Volt, Cartridge or 30 Ampere,
125 Volt, Plug Fuses

Style of Switch	Size in inches	1/2	3/4	1
2-pole	Catalogue Number	YK1302	YK2302	YK3302
	Standard Package	10	10	10
	Ship. Weight, Std. Pkg.	120 lbs.	125 lbs.	130 lbs.
	List Price, each	\$2.80	\$2.95	\$3.15
2-pole	Catalogue Number	YK4302	YK5302	YK6302
	Standard Package	10	10	10
	Ship. Weight, Std. Pkg.	140 lbs.	145 lbs.	160 lbs.
	List Price, each	\$3.35	\$3.45	\$3.60

Style of Switch	Size in inches	1/2	3/4	1	1 1/4	1 1/2
3-pole	Catalogue Number	YK1303	YK2303	YK3303	YK4303	YK5303
	Standard Package	10	10	10	10	10
	Shipping Weight, Std. Pkg.	130 lbs.	135 lbs.	140 lbs.	150 lbs.	155 lbs.
	List Price, each	\$3.70	\$3.85	\$4.00	\$4.15	\$4.30

For Knife Switches arranged for 60 Ampere, 250 Volt, N. E. C. Fuses

Style of Switch	Size in inches	3/4	1	1 1/4	1 1/2	2
2-pole	Catalogue Number	YK2602	YK3602	YK4602	YK5602	YK6602
	Standard Package	10	10	10	10	10
	Shipping Weight, Std. Pkg.	170 lbs.	175 lbs.	180 lbs.	190 lbs.	200 lbs.
	List Price, each	\$4.40	\$4.60	\$4.75	\$5.05	\$5.25
3-pole	Catalogue Number	YK2603	YK3603	YK4603	YK5603	YK6603
	Standard Package	10	10	10	10	10
	Shipping Weight, Std. Pkg.	230 lbs.	235 lbs.	240 lbs.	250 lbs.	260 lbs.
	List Price, each	\$5.90	\$6.10	\$6.45	\$6.65	\$6.95

Switches are not included in above list prices, but the universal fastening plates, furnished with above Condulets, take Crouse-Hinds type YKK knife switches or the knife switches of other manufacturers, enumerated on following page.

Crouse-Hinds type YKK knife switches arranged for cartridge fuses are listed on page Cross Reference No. CH135.

For finishes and assortments, see note on page Cross Reference No. CH91.

Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH130)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.


TYPE YKC CONDULETS

FOR KNIFE SWITCHES ARRANGED FOR CARTRIDGE OR PLUG FUSES

Furnished with Universal Fastening Plate and all necessary Bolts and Screws

TYPE YKC CONDULETS—THROUGH FEED—Black Enamel Finish

For Knife Switches arranged for N. E. C. 30 Ampere, 250 Volt, Cartridge or 30 Ampere, 125 Volt, Plug Fuses

	Style of Switch	Size in inches ...	1/2	3/4	1	
	2-pole	Catalogue No. ...	YKC11302	YKC22302	YKC33302	
		Standard Pkg. ...	10	10	10	
		Weight Std. Pkg. ...	125 lbs.	130 lbs.	135 lbs.	
		List Price, each.	\$2.90	\$3.05	\$3.25	
	Style of Switch	Size in inches ...	1 1/4	1 1/2	2	
	2-pole	Catalogue No. ...	YKC44302	YKC55302	YKC66302	
		Standard Pkg. ...	10	10	10	
		Weight Std. Pkg. ...	140 lbs.	150 lbs.	160 lbs.	
		List Price, each.	\$3.45	\$3.60	\$3.80	
Style of Switch	Size in inches	1/2	3/4	1	1 1/4	1 1/2
3-pole	Catalogue No.	YKC11303	YKC22303	YKC33303	YKC44303	YKC55303
	Standard Pkg.	10	10	10	10	10
	Weight Std. Pkg. ..	140 lbs.	145 lbs.	150 lbs.	160 lbs.	170 lbs.
	List Price, each ..	\$3.85	\$4.00	\$4.15	\$4.30	\$4.60

For Knife Switches arranged for 60 Ampere, 250 Volt, N. E. C. Fuses

Style of Switch	Size in inches ...	3/4	1	1 1/4	1 1/2	2
2-pole	Catalogue No.	YKC22602	YKC33602	YKC44602	YKC55602	YKC66602
	Standard Pkg.	10	10	10	10	10
	Weight Std. Pkg. ..	180 lbs.	190 lbs.	200 lbs.	210 lbs.	220 lbs.
	List Price, each ..	\$4.50	\$4.70	\$4.90	\$5.15	\$5.45
Style of Switch	Size in inches ...	3/4	1	1 1/4	1 1/2	2
3-pole	Catalogue No.	YKC22603	YKC33603	YKC44603	YKC55603	YKC66603
	Standard Pkg.	10	10	10	10	10
	Weight Std. Pkg. ..	230 lbs.	240 lbs.	250 lbs.	300 lbs.	310 lbs.
	List Price, each ..	\$6.05	\$6.25	\$6.60	\$6.85	\$7.15

Switches are not included in above list prices, but the universal fastening plates, furnished with Condulets of the YK series, take Crouse-Hinds type YKK knife switches or the knife switches of other manufacturers, as follows:

Switches Arranged for 30 Ampere, 250 Volt, Cartridge and 30 Ampere, 125 Volt, Plug Fuses

2-Pole: CROUSE-HINDS—(Cartridge) YKK302. BRYANT—(Plug) 1695, 1981. CONN. ELEC.—(Plug) 01502. D. & W.—(Plug) 25028. G. E. CO.—(Plug) 42869. PAISTE—(Plug) 4014, 4016. TRUMBULL—(Cartridge) 704, 724, (Plug) 701, 721.

3-Pole: CROUSE-HINDS—(Cartridge) YKK303. BRYANT—(Plug) 1986. PAISTE—(Cartridge) 4033, (Plug) 4025, 4029. TRUMBULL—(Cartridge) 725, (Plug) 723.

Switches Arranged for 60 Ampere, 250 Volt, Cartridge Fuses

2-Pole: CROUSE-HINDS—(Cartridge) YKK602. PAISTE—(Cartridge) 5151.

3-Pole: CROUSE-HINDS—(Cartridge) YKK603. PAISTE—(Cartridge) 5153.

Crouse-Hinds type YKK knife switches arranged for cartridge fuses are listed on page Cross Reference No. CH135.

For finishes, see page Cross Reference No. CH91.

Black enameled and galvanized Condulets of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Condulet reducers are listed on page Cross Reference No. CH171.

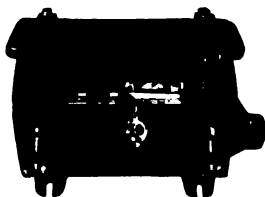
(Cross Reference No. CH131)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

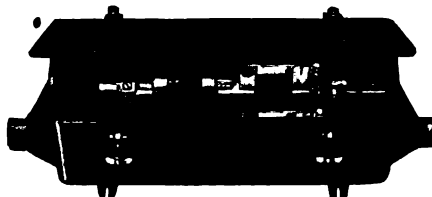
TYPE YKW CONDULETS

WATER-TIGHT—FOR KNIFE SWITCHES ARRANGED FOR CARTRIDGE
OR PLUG FUSES

Furnished with Universal Fastening Plate, Gasket and all necessary Bolts and Screws



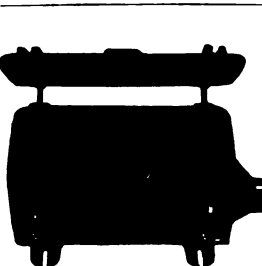
Type YKW with Type YKK Switch Installed



Type YKW with Type B Switch, Arranged for Cartridge Fuses, Installed

TYPE YKW CONDULETS—DEAD END—Black Enamel Finish

For Knife Switches Arranged for N. E. C. 30 Ampere, 250 Volt, Cartridge or
30 Ampere, 125 Volt, Plug Fuses

	Style of Switch	Size in inches.....		1/2	3/4	1
	2-pole	Catalogue Number...	YKW1302	YKW2302	YKW3302	
		Standard Package....	10	10	10	
		Weight Std. Pkg.....	180 lbs.	185 lbs.	190 lbs.	
		List Price, each.....	\$6.60	\$6.70	\$6.80	
	Style of Switch	Size in inches.....		1 1/4	1 1/2	2
	2-pole	Catalogue Number...	YKW4302	YKW5302	YKW6302	
Standard Package....		10	10	10		
Weight Std. Pkg.....		195 lbs.	200 lbs.	210 lbs.		
		List Price, each.....	\$6.90	\$7.00	\$7.10	

Style of Switch	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
3-pole	Catalogue Number.....	YKW1303	YKW2303	YKW3303	YKW4303	YKW5303
	Standard Package.....	10	10	10	10	10
	Shipping Weight Std. Pkg.	240 lbs.	245 lbs.	250 lbs.	260 lbs.	265 lbs.
	List Price, each.....	\$8.50	\$8.60	\$8.70	\$8.80	\$8.90

For Knife Switches Arranged for 60 Ampere, 250 Volt, N. E. C. Fuses

Style of Switch	Size in inches.....	3/4	1	1 1/4	1 1/2	2
2-pole	Catalogue Number.....	YKW2602	YKW3602	YKW4602	YKW5602	YKW6602
	Standard Package.....	10	10	10	10	10
	Shipping Weight Std. Pkg.	270 lbs.	275 lbs.	280 lbs.	290 lbs.	300 lbs.
	List Price, each.....	\$8.80	\$8.90	\$9.00	\$9.10	\$9.20
Style of Switch	Size in inches.....	3/4	1	1 1/4	1 1/2	2
3-pole	Catalogue Number.....	YKW2603	YKW3603	YKW4603	YKW5603	YKW6603
	Standard Package.....	10	10	10	10	10
	Shipping Weight Std. Pkg.	300 lbs.	305 lbs.	310 lbs.	315 lbs.	320 lbs.
	List Price, each.....	\$9.40	\$9.50	\$9.60	\$9.70	\$9.80

Switches are not included in above list prices, but the universal fastening plates, furnished with above Condulets, take Crouse-Hinds type YKK knife switches or the knife switches of other manufacturers, enumerated on following page.

Crouse-Hinds type YKK knife switches arranged for cartridge fuses are listed on page Cross Reference No. CH135.

For finishes and assortments, see note on page Cross Reference No. CH91.

Padlock is not included in above list prices. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH132)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE YKW CONDULETS

WATER-TIGHT—FOR KNIFE SWITCHES ARRANGED FOR CARTRIDGE FUSES

Condulets Listed Below are not arranged for Universal Fastening Plates, but are furnished with all necessary Screws to Fasten Switches direct to Condulets

TYPE YKW CONDULETS—DEAD END—Black Enamel Finish

For Knife Switches arranged for 100 Ampere, 250 Volt, N. E. C. Fuses

Style of Switch	Size in inches.....	1	1¼	1½	2
2-pole	Catalogue Number	YKW31002	YKW41002	YKW51002	YKW61002
	Standard Package	5	5	5	5
	Shipping Weight Std. Pkg.	250 lbs.	255 lbs.	260 lbs.	270 lbs.
	List Price, each	\$16.60	\$16.80	\$17.00	\$17.20
Style of Switch	Size in inches.....	1¼	1½	2	2½
3-pole	Catalogue Number	YKW41003	YKW51003	YKW61003	YKW71003
	Standard Package	5	5	5	5
	Shipping Weight Std. Pkg.	340 lbs.	345 lbs.	350 lbs.	355 lbs.
	List Price, each	\$20.60	\$20.80	\$21.00	\$21.20

For Knife Switches arranged for 200 Ampere, 250 Volt, N. E. C. Fuses

Style of Switch	Size in inches.....	1½	2	2½	3
2-pole	Catalogue Number	YKW52002	YKW62002	YKW72002	YKW82002
	Standard Package	5	5	5	5
	Shipping Weight Std. Pkg.	360 lbs.	365 lbs.	375 lbs.	380 lbs.
	List Price, each	\$24.00	\$24.40	\$24.80	\$25.20
Style of Switch	Size in inches.....	1½	2	2½	3
3-pole	Catalogue Number	YKW52003	YKW62003	YKW72003	YKW82003
	Standard Package	5	5	5	5
	Shipping Weight Std. Pkg.	500 lbs.	510 lbs.	520 lbs.	530 lbs.
	List Price, each	\$30.80	\$31.20	\$31.60	\$32.00

The universal fastening plates, furnished with Condulets listed on the preceding page, take Crouse-Hinds type YKK knife switches or knife switches of other manufacturers, as follows:

Switches Arranged for 30 Ampere, 250 Volt, Cartridge and 30 Ampere, 125 Volt, Plug Fuses

- 2-Pole: CROUSE-HINDS—(Cartridge) YKK302. BRYANT—(Plug) 1695, 1981. CONN. ELEC.—(Plug) 01502. D. & W.—(Plug) 25028. G. E. CO.—(Plug) 42869. PAISTE—(Plug) 4014, 4016. TRUMBULL—(Cartridge) 704, 724, (Plug) 701, 721.
3-Pole: CROUSE-HINDS—(Cartridge) YKK303. BRYANT—(Plug) 1986. PAISTE—(Cartridge) 4033, (Plug) 4025, 4029. TRUMBULL—(Cartridge) 725, (Plug) 723.

Switches Arranged for 60 Ampere, 250 Volt, Cartridge Fuses

- 2-Pole: CROUSE-HINDS—(Cartridge) YKK602. PAISTE—(Cartridge) 5151.
3-Pole: CROUSE-HINDS—(Cartridge) YKK603. PAISTE—(Cartridge) 5153.

Switches are not included in list prices on this page, but Condulets listed on this page take 100 or 200 ampere, Crouse-Hinds type B knife switches with high clips or knife switches of other manufacturers, as follows:

Switches Arranged for 100 Ampere, 250 Volt, Cartridge Fuses

- 2-Pole: CROUSE-HINDS—(Cartridge) 31364—Specify high clips. OTHER MANUFACTURERS—(Cartridge) Switches conforming with dimensions given on one of the pages listing Type YKWC Condulets.
3-Pole: CROUSE-HINDS—(Cartridge) 31484—Specify high clips. OTHER MANUFACTURERS—(Cartridge) Switches conforming with dimensions given on one of the pages listing Type YKWC Condulets.

Switches Arranged for 200 Ampere, 250 Volt, Cartridge Fuses

- 2-Pole: CROUSE-HINDS—(Cartridge) 31366—Specify high clips. OTHER MANUFACTURERS—(Cartridge) Switches conforming with dimensions given on one of the pages listing Type YKWC Condulets.
3-Pole: CROUSE-HINDS—(Cartridge) 31486—Specify high clips. OTHER MANUFACTURERS—(Cartridge) Switches conforming with dimensions given on one of the pages listing Type YKWC Condulets.

Crouse-Hinds type YKK knife switches arranged for cartridge fuses are listed on page Cross Reference No. CH135. Crouse-Hinds type B knife switches with high clips arranged for cartridge fuses are enumerated on page Cross Reference No. CH135 and listed in Crouse-Hinds Knife Switch Bulletin. Padlock is not included in above list prices.

For finishes and assortments, see note on page Cross Reference No. CH91.

Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH133)

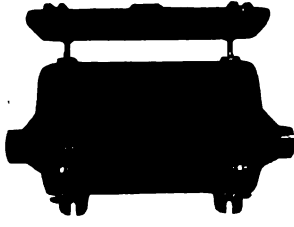
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE YKWC CONDULETS

WATER-TIGHT—FOR KNIFE SWITCHES ARRANGED FOR CARTRIDGE
OR PLUG FUSES

Furnished with Universal Fastening Plate, Gasket and all necessary Bolts and Screws

TYPE YKWC CONDULETS—THROUGH FEED—Black Enamel Finish

For Knife Switches arranged for N. E. C. 30 Ampere, 250 Volt, Cartridge or 30 Ampere,
125 Volt, Plug Fuses


Style of Switch	Size in inches...	1/2	3/4	1
2-pole	Catalogue No...	YKWC11302	YKWC22302	YKWC33302
	Standard Pkg...	10	10	10
	Weight Std. Pkg.	190 lbs.	195 lbs.	200 lbs.
	List Price, each.	\$6.75	\$6.85	\$6.95
Style of Switch	Size in inches...	1 1/4	1 1/2	2
2-pole	Catalogue No...	YKWC44302	YKWC55302	YKWC66302
	Standard Pkg...	10	10	10
	Weight Std. Pkg.	205 lbs.	210 lbs.	215 lbs.
	List Price, each.	\$7.05	\$7.15	\$7.25

Style of Switch	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
3-pole	Catalogue Number.	YKWC11303	YKWC22303	YKWC33303	YKWC44303	YKWC55303
	Standard Package...	10	10	10	10	10
	Weight Std. Pkg...	240 lbs.	245 lbs.	250 lbs.	255 lbs.	260 lbs.
	List Price, each....	\$8.60	\$8.70	\$8.80	\$8.90	\$9.00

For Knife Switches arranged for 60 Ampere, 250 Volt, N. E. C. Fuses

Style of Switch	Size in inches.....	3/4	1	1 1/4	1 1/2	2
2-pole	Catalogue Number.	YKWC22602	YKWC33602	YKWC44602	YKWC55602	YKWC66602
	Standard Package...	10	10	10	10	10
	Weight Std. Pkg...	260 lbs.	265 lbs.	270 lbs.	275 lbs.	280 lbs.
	List Price, each....	\$9.00	\$9.10	\$9.20	\$9.30	\$9.40
Style of Switch	Size in inches.....	3/4	1	1 1/4	1 1/2	2
3-pole	Catalogue Number.	YKWC22603	YKWC33603	YKWC44603	YKWC55603	YKWC66603
	Standard Package...	10	10	10	10	10
	Weight Std. Pkg...	285 lbs.	290 lbs.	295 lbs.	300 lbs.	305 lbs.
	List Price, each....	\$9.60	\$9.70	\$9.80	\$9.90	\$10.00

Switches are not included in above list prices, but the universal fastening plates, furnished with above Condulets, take Crouse-Hinds type YKK knife switches or knife switches of other manufacturers, as follows:

Switches Arranged for 30 Ampere, 250 Volt, Cartridge and 30 Ampere, 125 Volt, Plug Fuses

2-Pole: CROUSE-HINDS—(Cartridge) YKK302. BRYANT—(Plug) 1695, 1981. CONN. ELEC.—(Plug) 01502. D. & W.—(Plug) 25028. G. E. CO.—(Plug) 42869. PAISTE—(Plug) 4014, 4016. TRUMBULL—(Cartridge) 704, 724, (Plug) 701, 721.

3-Pole: CROUSE-HINDS—(Cartridge) YKK303. BRYANT—(Plug) 1986. PAISTE—(Cartridge) 4033, (Plug) 4025, 4029. TRUMBULL—(Cartridge) 725, (Plug) 723.

Switches Arranged for 60 Ampere, 250 Volt, Cartridge Fuses

2-Pole: CROUSE-HINDS—(Cartridge) YKK602. PAISTE—(Cartridge) 5151.

3-Pole: CROUSE-HINDS—(Cartridge) YKK603. PAISTE—(Cartridge) 5153.

Crouse-Hinds type YKK knife switches arranged for cartridge fuses are listed on page Cross Reference No. CH135.

Padlock is not included in above list prices.

For finishes, see note on page Cross Reference No. CH91.

Black enameled and galvanized Condulets of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH134)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE YKWC CONDULETS

WATER-TIGHT—FOR KNIFE SWITCHES ARRANGED FOR CARTRIDGE FUSES
Condulets Listed Below are not arranged for Universal Fastening Plates, but are furnished with Gasket and all necessary Screws to Fasten Switches direct to Condulets

TYPE YKWC CONDULETS—THROUGH FEED—Black Enamel Finish

For Knife Switches arranged for 100 Ampere, 250 Volt, N. E. C. Fuses

Style of Switch	Size in inches..	1	1¼	1½	2
2-pole	Catalogue No..	YKWC331002	YKWC441002	YKWC551002	YKWC661002
	Standard Pkg..	5	5	5	5
	Wt. Std. Pkg..	260 lbs.	265 lbs.	270 lbs.	285 lbs.
	List Price, ea..	\$17.00	\$17.40	\$17.80	\$18.20
Style of Switch	Size in inches..	1¼	1½	2	2½
3-pole	Catalogue No..	YKWC441003	YKWC551003	YKWC661003	YKWC771003
	Standard Pkg..	5	5	5	5
	Wt. Std. Pkg..	340 lbs.	345 lbs.	360 lbs.	375 lbs.
	List Price, ea..	\$21.50	\$21.90	\$22.30	\$22.70

For Knife Switches arranged for 200 Ampere, 250 Volt, N. E. C. Fuses

Style of Switch	Size in inches..	1½	2	2½	3
2-pole	Catalogue No..	YKWC552002	YKWC662002	YKWC772002	YKWC882002
	Standard Pkg..	5	5	5	5
	Wt. Std. Pkg..	375 lbs.	385 lbs.	395 lbs.	410 lbs.
	List Price, ea..	\$25.00	\$25.50	\$26.00	\$26.50
Style of Switch	Size in inches..	1½	2	2½	3
3-pole	Catalogue No..	YKWC552003	YKWC662003	YKWC772003	YKWC882003
	Standard Pkg..	5	5	5	5
	Wt. Std. Pkg..	490 lbs.	500 lbs.	510 lbs.	520 lbs.
	List Price, ea..	\$32.50	\$33.00	\$33.50	\$34.00

Switches are not included in list prices, but Condulets listed on this page take Crouse-Hinds type B knife switches with high clips enumerated below, or other switches that conform with dimensions specified below

KNIFE SWITCHES FOR CONDULETS OF THE YK AND YKW SERIES

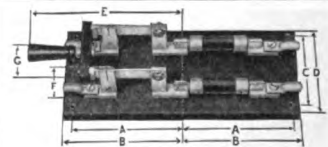
Arranged for N. E. C. Cartridge Fuses—250 Volts



Type YKK Switch



Type B Switch



Dimensional Drawing

Crouse-Hinds Type YKK Knife Switches

	30 Amp.	60 Amp.	Capacity		30 Amp.	60 Amp.
2-pole	YKK302	YKK602	Cat. No.	3-pole	YKK303	YKK603
	10	10	Std. Pkg.		10	10
	\$2.25	\$3.50	Price, ea.		\$3.75	\$5.25

Crouse-Hinds Type B Knife Switches

	100Amp.	200Amp.	Capacity		100Amp.	200Amp.
2-pole	31364*	31366*	Cat. No.	3-pole	31484*	31486*
			Std. Pkg.			
			List Price, ea.			

Switches of Other Manufacturers

Style	2-Pole		3-Pole	
Capacity	100 Amp.	200 Amp.	100 Amp.	200 Amp.
A (Fixed)	7 1/8"	8 5/8"	7 1/8"	8 5/8"
B (Max.)	9 1/4"	10 1/2"	9 1/4"	10 1/2"
C (Fixed)	5 1/4"	5 3/4"	5 1/4"	5 3/4"
D (Max.)	6 1/2"	7"	6 1/2"	7"
E (Max.)	10 3/8"	11 7/8"	10 3/8"	11 7/8"
F (Max.†)	4 3/4"	6 1/4"	4 3/4"	6 1/4"
G (Max.‡)	5 1/4"	6 3/4"	5 1/4"	6 3/4"

*Specify high clips when ordering.

For finishes and assortments of Condulets, see note on page Cross Reference No. CH91.

†From bottom of slate base to highest point of clip.

‡From bottom of slate base to highest point of handle.

Any switch with dimensions not exceeding those specified "maximum" and with dimensions the same as those specified "fixed," in above schedule, will fit Condulets of corresponding classification in the YKW series.

(Cross Reference No. CH135)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE MF CONDULETS

MOTOR STARTING SWITCH CONDULETS

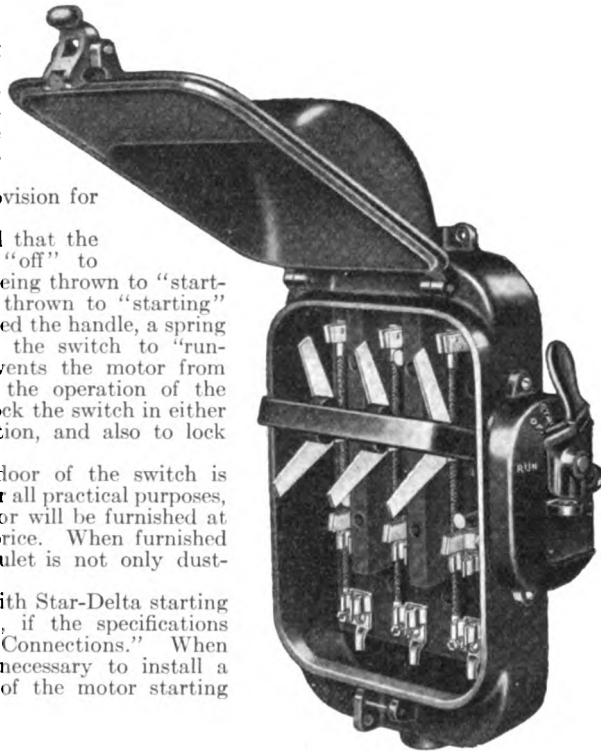
Furnished Complete with Fusible Switch, but without Fuses

Crouse-Hinds Motor Starting Switch Condulet is a substantial, iron-clad, fool-proof switch, designed for starting small three-phase motors. The switch is of the double-throw knife-blade type; its running side is arranged for fuses, but its starting side is without provision for fuse protection.

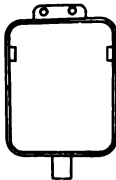
The mechanism is so designed that the switch cannot be thrown from "off" to "running" position, without first being thrown to "starting" position. After it has been thrown to "starting" position and the operator has released the handle, a spring automatically and quickly carries the switch to "running" position. This action prevents the motor from slowing down perceptibly during the operation of the switch. Padlocks can be used to lock the switch in either the "off" or the "running" position, and also to lock the door shut.

As regularly furnished, the door of the switch is rabbetted, making a joint that is, for all practical purposes, dustproof. A special, gasketed door will be furnished at an advance of \$2.00 in the list price. When furnished with this gasketed door, the Condulet is not only dust-proof, but is also water-tight.

The switch will be arranged with Star-Delta starting connections without extra charge, if the specifications read "With Star-Delta Starting Connections." When used with this connection, it is necessary to install a separate main line switch ahead of the motor starting switch condulet.



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



One Hub at
Bottom

TYPE MF CONDULETS—Black Enamel Finish

30 Amperes, 250 Volts

Size in inches	1	1½	2
Catalogue Number	MF3303	MF5303	MF6303
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.00	\$55.20	\$55.30

60 Amperes, 250 Volts

Size in inches	1	1½	2
Catalogue Number	MF3603	MF5603	MF6603
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.00	\$55.20	\$55.30

30 Amperes, 500 Volts, A. C.

Size in inches	1	1½	2
Catalogue Number	MF33035	MF53035	MF63035
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$57.00	\$57.20	\$57.30

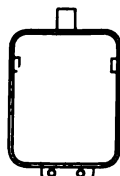
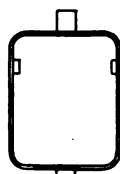
Prices for 30 amperes, 600 volt Motor Starting Switch Condulets will be furnished upon request.

(Cross Reference No. CH135a)

TYPES MFB, MFC AND MFD CONDULET BODIES

MOTOR STARTING SWITCH CONDULETS

Furnished Complete with Fusible Switch, but without Fuses

One Hub
at TopOne Hub at Top
One Hub at BottomTwo Hubs
at Bottom

TYPE MFB—Black Enamel Finish

30 Amperes, 250 Volts

Size in inches	1	1½	2
Catalogue Number	MFB3303	MFB5303	MFB6303
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.00	\$55.20	\$55.30

60 Amperes, 250 Volts

Catalogue Number	MFB3603	MFB5603	MFB6603
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.00	\$55.20	\$55.30

30 Amperes, 500 Volts, A. C.

Catalogue Number	MFB33035	MFB53035	MFB63035
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$57.00	\$57.20	\$57.30

TYPE MFC—Black Enamel Finish

30 Amperes, 250 Volts

Size in inches	1	1½	2
Catalogue Number	MFC33303	MFC53303	MFC63303
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.35	\$55.55	\$55.65

60 Amperes, 250 Volts

Catalogue Number	MFC33603	MFC55603	MFC66603
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.35	\$55.55	\$55.65

30 Amperes, 500 Volts, A. C.

Catalogue Number	MFC333035	MFC553035	MFC663035
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$57.35	\$57.55	\$57.65

TYPE MFD—Black Enamel Finish

30 Amperes, 250 Volts

Size in inches	1	1½	2
Catalogue Number	MFD33303	MFD53303	MFD63303
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.35	\$55.55	\$55.65

60 Amperes, 250 Volts

Catalogue Number	MFD33603	MFD55603	MFD66603
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.35	\$55.55	\$55.65

30 Amperes, 500 Volts, A. C.

Catalogue Number	MFD333035	MFD553035	MFD663035
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$57.35	\$57.55	\$57.65

(Cross Reference No. CH135b)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES MFE, MFH AND MFJ CONDULET BODIES

MOTOR STARTING SWITCH CONDULETS

Furnished Complete with Fusible Switch, but without Fuses

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Two Hubs
at Top



One Hub at Top
Two Hubs at Bottom



Two Hubs at Top
One Hub at Bottom

TYPE MFE—Black Enamel Finish

30 Amperes, 250 Volts

Size in inches	1	1½	2
Catalogue Number	MFE33303	MFE55303	MFE66303
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.35	\$55.55	\$55.65

60 Amperes, 250 Volts

Catalogue Number	MFE33603	MFE55603	MFE66603
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.35	\$55.55	\$55.65

30 Amperes, 500 Volts, A. C.

Catalogue Number	MFE333035	MFE553035	MFE663035
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$57.35	\$57.55	\$57.65

TYPE MFH—Black Enamel Finish

30 Amperes, 250 Volts

Size in inches	1	1½	2
Catalogue Number	MFH33303	MFH55303	MFH66303
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.70	\$55.90	\$56.00

60 Amperes, 250 Volts

Catalogue Number	MFH33603	MFH55603	MFH66603
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.70	\$55.90	\$56.00

30 Amperes, 500 Volts A. C.

Catalogue Number	MFH333035	MFH553035	MFH6663035
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$57.70	\$57.90	\$58.00

TYPE MFJ—Black Enamel Finish

30 Amperes, 250 Volts

Size in inches	1	1½	2
Catalogue Number	MFJ33303	MFJ55303	MFJ666303
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.70	\$55.90	\$56.00

60 Amperes, 250 Volts

Catalogue Number	MFJ33603	MFJ55603	MFJ666603
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$55.70	\$55.90	\$56.00

30 Amperes, 500 Volts, A. C.

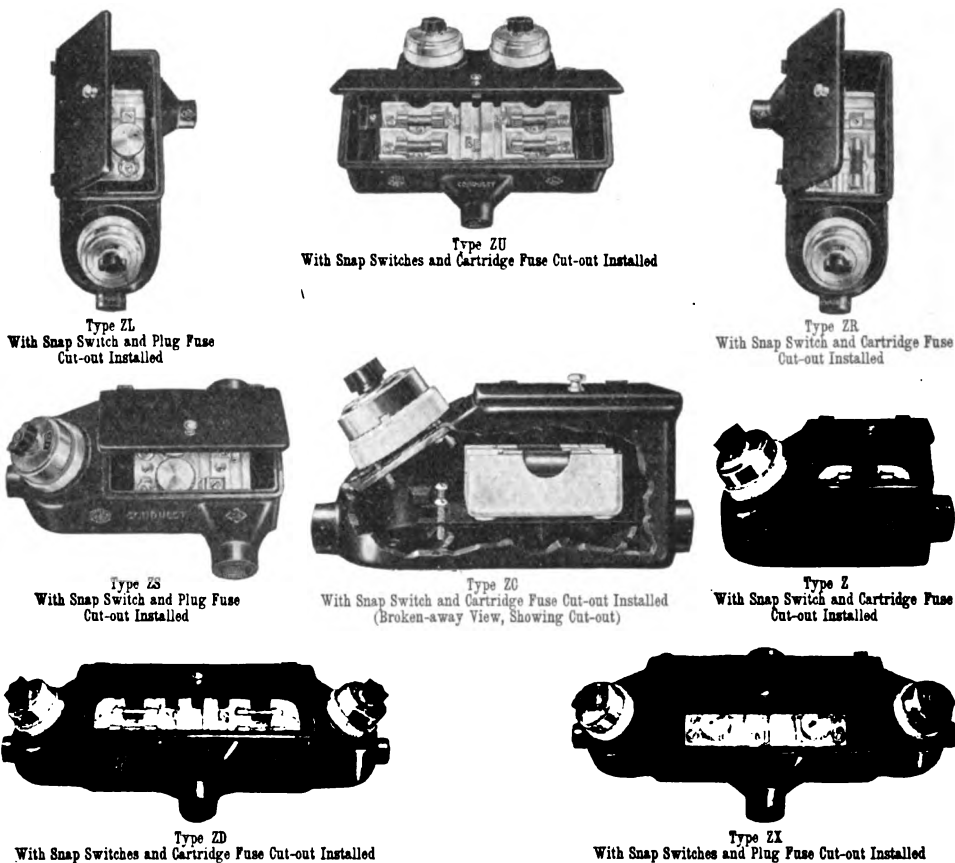
Catalogue Number	MFJ333035	MFJ553035	MFJ6663035
Standard Package	1	1	1
Shipping Weight Std. Pkg.	80 lbs.	80 lbs.	80 lbs.
List Price, each	\$57.70	\$57.90	\$58.00

(Cross Reference No. CH135c)

TYPES Z, ZC, ZL, ZR, ZS, ZU, ZD, AND ZX CONDULETS

FOR CARTRIDGE OR PLUG FUSE CUT-OUTS AND SNAP OR PULL SWITCHES

Furnished with Universal Cut-out Fastening Plate, Adjustable Bar and Adapting Rings for Switches and all necessary Bolts and Screws



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE Z CONDULETS—DEAD END—Black Enamel Finish

For 30 Ampere, 250 Volt, Cartridge or 30 Ampere, 125 Volt, Plug Fuse N. E. C. Main Line Cut-outs and 5, 10 or 20 Ampere Switches—Cut-outs and Switches not Furnished

	Style of Cut-out	Size in inches	1/2	3/4	1
	2-wire	Catalogue Number....	Z1302	Z2302	Z3302
		Standard Package	15	15	10
		Ship. Wt. Std. Pkg.	120 lbs.	125 lbs.	85 lbs.
		List Price, each	\$2.55	\$2.65	\$2.75
	Style of Cut-out	Size in inches	1/2	3/4	1
	3-wire	Catalogue Number....	Z1303	Z2303	Z3303
		Standard Package	15	15	10
		Ship. Wt. Std. Pkg.	145 lbs.	150 lbs.	105 lbs.
		List Price, each	\$3.00	\$3.10	\$3.20

For important information concerning Condulets listed above, see notes on page Cross Reference No. CH91. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH136)


TYPES Z AND ZC CONDULETS

FOR CARTRIDGE OR PLUG FUSE CUT-OUTS AND SNAP OR PULL SWITCHES

Furnished with Universal Cut-out Fastening Plate, Adjustable Bar and Adapting Rings
for Switches and all necessary Bolts and Screws


TYPE Z CONDULETS—DEAD END—Black Enamel Finish—Continued

For 30 Ampere, 600 Volt, N. E. C. Main Line Cut-outs and 5, 10 or 20 Ampere Switches—Cut-outs
and Switches not furnished

	Style of Cut-out	1/2	3/4	1	... Size in inches ...	Style of Cut-out	1
	1-wire	Z13016 15 210 lbs. \$4.30	Z23016 15 220 lbs. \$4.40	Z33016 10 150 lbs. \$4.50	... Catalogue No. Standard Pkg. Weight Std. Pkg. List Price, each ...	3-wire	Z33036 10 205 lbs. \$5.90

TYPE ZC CONDULETS—THROUGH FEED—Black Enamel Finish

For 30 Ampere, 250 Volt, Cartridge or 30 Ampere, 125 Volt, Plug Fuse N. E. C. Main Line Cut-outs
and 5, 10 or 20 Ampere Switches—Cut-outs and Switches not furnished

	Style of Cut-out	Size in inches			1/2—1/2	3/4—3/4	1—1
	2-wire	Catalogue Number			ZC11302	ZC22302	ZC33302
		Standard Package			15	15	10
		Weight Std. Pkg.			125 lbs.	130 lbs.	90 lbs.
		List Price, each			\$2.80	\$2.90	\$3.00
	Style of Cut-out	Size in inches			1 1/4—1 1/4	1 1/2—1 1/2	2—2
	2-wire	Catalogue Number			ZC44302	ZC55302	ZC66302
		Standard Package			10	5	5
		Weight Std. Pkg.			95 lbs.	55 lbs.	60 lbs.
		List Price, each			\$3.10	\$3.20	\$3.30
Style of Cut-out	Size in inches. ...	1/2—1/2	3/4—3/4	1—1	1 1/4—1 1/4	1 1/2—1 1/2	2—2
3-wire	Catalogue No. ...	ZC11303	ZC22303	ZC33303	ZC44303	ZC55303	ZC66303
	Standard Pkg. ...	15	15	10	10	5	5
	Weight Std. Pkg. ...	145 lbs.	150 lbs.	105 lbs.	110 lbs.	60 lbs.	65 lbs.
	List Price, each. ...	\$3.25	\$3.35	\$3.45	\$3.55	\$3.65	\$3.75

For 30 Ampere, 600 Volt, N. E. C. Main Line Cut-outs and 5, 10 or 20 Ampere Switches—Cut-outs
and Switches not furnished

Style of Cut-out	1/2—1/2	3/4—3/4	1—1	Size, inches.	Style of Cut-out	1/2—1/2	3/4—3/4	1—1
1-wire	ZC113016 15 230 lbs. \$4.60	ZC223016 15 235 lbs. \$4.70	ZC333016 10 160 lbs. \$4.80	.. Cat. No. Std. Pkg. Wt. Std. Pkg. List, each..	3-wire	ZC113036 15 290 lbs. \$6.80	ZC223036 15 295 lbs. \$6.90	ZC333036 10 210 lbs. \$7.00

The adjustable bar, furnished with each Condulet listed on this and the preceding page, permits
the proper mounting of any snap or pull switch enumerated on pages Cross Reference Nos.
CH62 or CH63.

Adapting rings, furnished with the Condulets, are required in mounting 5 or 10 ampere switches.
No adapting ring is required in mounting a 20 ampere switch.

The universal cut-out fastening plates, furnished with the Condulets listed on this and the pre-
ceding page, take the following cut-outs:

30 Ampere, 250 Volt, Cartridge and 30 Ampere, 125 Volt, Plug Fuse Cut-outs

2-Wire: BRYANT—(Cartridge) 1917, (Plug) 62965. D. & W.—(Cartridge) 91102. G. E. CO.—(Cartridge)
34367, (Plug) 62965. NOARK—(Cartridge) 3327. PAISTE—(Cartridge) 72965, (Plug) 2965. SHAWMUT
—(Cartridge) 2077. TRUMBULL—(Cartridge) 29653, (Plug) 2965. WEBER—(Plug) 62965. UNION—
(Cartridge) 2010.

3-Wire: BRYANT—(Cartridge) 1924, (Plug) 62165. D. & W.—(Cartridge) 91103. G. E. CO.—(Cartridge) 34372,
(Plug) 62165. NOARK—(Cartridge) 3328. PAISTE—(Cartridge) 72165, (Plug) 2165. SHAWMUT—(Car-
tridge) 2079. TRUMBULL—(Cartridge) 21653, (Plug) 2165. WEBER—(Plug) 62165. UNION—(Cartridge) 2012.

30 Ampere, 600 Volt, Cartridge Fuse Cut-outs

1-Wire: BRYANT—(Cartridge) 1937. D. & W.—(Cartridge) 28076. G. E. CO.—(Cartridge) 34991. NOARK—
(Cartridge) 5600. SHAWMUT—(Cartridge) 20735. UNION—(Cartridge) 4003.

3-Wire: Mount three 1-wire cut-outs, side by side.

For finishes and assortments, see note on page Cross Reference No. CH91.

Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH137)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

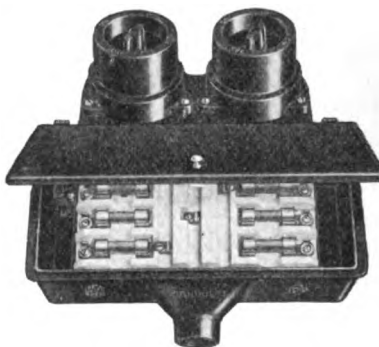
TYPES ZGC AND ZGU CONDULETS

FOR CARTRIDGE OR PLUG FUSE CUT-OUTS AND GENERAL ELECTRIC 2 H. P.,
250-VOLT, THREE-PHASE, SNAP SWITCH 151394 WITH PROTECTIVE
COVER FOR TEXTILE MILL INSTALLATIONS

Furnished with Universal Cut-out Fastening Plate and all necessary Bolts and Screws




Type ZGC Condulet
Showing Snap Switch and Cartridge Fuse
Cut-out Installed



Type ZGU Condulet
Showing Snap Switches and Cartridge Fuse
Cut-out Installed

TYPE ZGC CONDULETS—THROUGH FEED—Black Enamel Finish

For 30 Ampere, 250 Volt, Cartridge or 30 Ampere, 125 Volt, Plug Fuse N. E. C. Main Line
Cut-outs and G. E. Switch 151394—Cut-out and Switch not Furnished

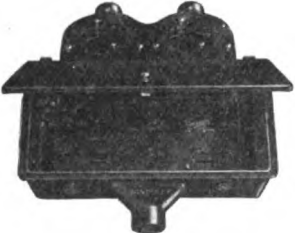
	Style of Cut-out	Size in inches	$\frac{1}{2}$ — $\frac{1}{2}$	$\frac{3}{4}$ — $\frac{3}{4}$	1—1
	3-wire	Cat. No. Std. Pkg. Wt. Std. Pkg. List Price, ea.	ZGC11303 15 155 lbs. \$3.60	ZGC22303 15 160 lbs. \$3.70	ZGC33303 10 110 lbs. \$3.80

The universal cut-out fastening plates, furnished with the Condulets, take the following cut-outs:

30 Ampere, 250 Volt, Cartridge and 30 Ampere, 125 Volt, Plug Fuse Cut-outs
3-Wire: BRYANT—(Cartridge) 1924, (Plug) 62165. D. & W.—(Cartridge) 91103. G. E. CO.—(Cartridge) 34372,
(Plug) 62165. NOARK—(Cartridge) 3328. PAISTE—(Cartridge) 72165, (Plug) 2165. SHAWMUT—(Car-
tridge) 2079. TRUMBULL—(Cartridge) 21653, (Plug) 2165. WEBER—(Plug) 62165. UNION—(Cartridge) 2012.

TYPE ZGU CONDULETS—Black Enamel Finish

For 30 Ampere, 250 Volt, Cartridge or 30 Ampere, 125 Volt, Plug Fuse N. E. C. Double Branch
Cut-outs and G. E. Switch 151394—Cut-out and Switches not Furnished

	Style of Cut-out	Size in inches	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{3}{4}$	$\frac{1}{2}$ $\frac{1}{2}$ 1	$\frac{1}{2}$ $\frac{1}{2}$ $1\frac{1}{4}$
			$\frac{3}{4}$ " main $\frac{1}{2}$ " branches	1" main $\frac{1}{2}$ " branches	$1\frac{1}{4}$ " main $\frac{1}{2}$ " branches
	3 to 3-wire	Cat. No. Std. Pkg. Wt. Std. Pkg. List Price, ea.	ZGU121303 15 225 lbs. \$6.40	ZGU131303 10 110 lbs. \$6.50	ZGU141303 10 165 lbs. \$6.90

The universal cut-out fastening plates, furnished with the Condulets, take the following cut-outs:

30 Ampere, 250 Volt, Cartridge and 30 Ampere, 125 Volt, Plug Fuse Cut-outs
3 to 3-Wire: BRYANT—(Cartridge) 1928, (Plug) 62135. D. & W.—(Cartridge) 91100. G. E. CO.—(Cartridge)
34374, (Plug) 62135. NOARK—(Cartridge) 3353. PAISTE—(Cartridge) 72135, (Plug) 2135. SHAWMUT—
(Cartridge) 20835. TRUMBULL—(Cartridge) 21353, (Plug) 2135. WEBER—(Plug) 62135. UNION—(Car-
tridge) 2029.

Types ZGC and ZGU Condulets have been referred to in previous literature as Types ZCG
and ZUG, respectively.

For finishes and assortments see note on page Cross Reference No. CH91.

(Cross Reference No. CH135d)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPES PRC, PRT AND PRX CONDULETS

Inside Dimensions—Diameter, $6\frac{1}{8}$ Inches; Depth, $2\frac{3}{8}$ Inches
Furnished with Cast Cover, Gasket and Cap Screws for Cover



Condulets of the PR series are for use where durable, water-tight junction boxes of medium size are required, as in railroad yards and shops. They are also suitable for underneath or overhead car wiring installations.

The hubs on these Condulets are so designed as to insure a clearance of at least three-quarters of an inch between the surface wired over and the conduit.

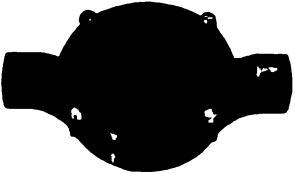
These Condulets, when used on car roofs, give no opportunity for the accumulation of cinders—a feature which prevents the otherwise rapid deterioration of the roof covering along the conduit and around the Condulet.

The cover overhangs the Condulet body and is held in place by four heavy brass cap screws. The joint is made water-tight by a gasket.

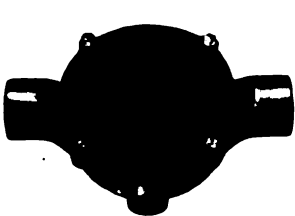
The bottom of the Condulet is reinforced at the center, to allow drilling and tapping for an extra conduit or for the suspension of a center lamp fixture of pedestal design.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

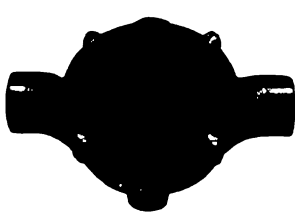
TYPE PRC CONDULETS—Black Enamel Finish

	Size in inches....	1—1	$1\frac{1}{4}$ — $1\frac{1}{4}$	$1\frac{1}{2}$ — $1\frac{1}{2}$	2—2
	Catalogue No....	PRC33	PRC44	PRC55	PRC66
	Standard Pkg....	15	15	10	5
	Wt. Std. Pkg....	175 lbs.	180 lbs.	125 lbs.	130 lbs.
	List Price, each..	\$4.75	\$4.95	\$5.15	\$5.55

TYPE PRT CONDULETS—Black Enamel Finish

	Size in inches....	1—1 1" mains 1" branches	$1\frac{1}{4}$ — $1\frac{1}{4}$ $1\frac{1}{4}$ " mains $1\frac{1}{4}$ " branches	$1\frac{1}{2}$ — $1\frac{1}{2}$ $1\frac{1}{4}$ " mains $1\frac{1}{4}$ " branches	2—2 $1\frac{1}{2}$ " mains $1\frac{1}{2}$ " branches
	Catalogue No....	PRT333	PRT444	PRT545	PRT656
	Standard Pkg....	15	15	10	5
	Wt. Std. Pkg....	150 lbs.	160 lbs.	105 lbs.	70 lbs.
	List Price, each..	\$4.85	\$5.05	\$5.20	\$6.45

TYPE PRX CONDULETS—Black Enamel Finish

	Size in inches ...	$1\frac{1}{2}$ — $1\frac{1}{2}$ $1\frac{1}{2}$ " mains $\frac{1}{2}$ " branches	$1\frac{3}{4}$ — $1\frac{3}{4}$ $1\frac{3}{4}$ " mains $\frac{3}{4}$ " branches	1—1 1" mains 1" branches	$1\frac{1}{2}$ — $1\frac{1}{4}$ $1\frac{1}{2}$ " mains $\frac{1}{2}$ " branches
	Catalogue No....	PRX3113	PRX3223	PRX3333	PRX4114
	Standard Pkg....	15	15	15	15
	Wt. Std. Pkg....	210 lbs.	215 lbs.	220 lbs.	225 lbs.
	List Price, each..	\$4.95	\$5.05	\$5.10	\$5.15

Size in inches	$1\frac{1}{4}$ — $1\frac{1}{4}$ $\frac{3}{4}$ " mains $\frac{3}{4}$ " branches	$1\frac{1}{4}$ — $1\frac{1}{4}$ $1\frac{1}{4}$ " mains $1\frac{1}{4}$ " branches	$1\frac{1}{2}$ — $1\frac{1}{2}$ $\frac{1}{2}$ " mains $\frac{1}{2}$ " branches	$1\frac{1}{2}$ — $1\frac{1}{2}$ $\frac{3}{4}$ " mains $\frac{3}{4}$ " branches	2—2 $\frac{1}{2}$ " mains $\frac{1}{2}$ " branches	2—2 1" mains 1" branches
	Catalogue Number	PRX4224	PRX4444	PRX5115	PRX5225	PRX6118
	Standard Package	15	15	10	10	5
	Ship. Wt. Std. Pkg.	230 lbs.	235 lbs.	160 lbs.	165 lbs.	90 lbs.
	List Price, each	\$5.25	\$5.35	\$5.45	\$5.55	\$5.75

Finishes: Black enamel is the standard finish for Condulets, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior of Condulets will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish.

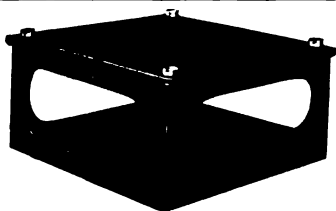
Gasket is listed separately on page Cross Reference No. CH177. Condulet reducers are listed on page Cross Reference No. CH171.

Black enameled and galvanized Condulets of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

(Cross Reference No. CH144a)

TYPES RS ($8\frac{1}{2} \times 8\frac{1}{2} \times 4$), RSM ($8\frac{1}{2} \times 4\frac{1}{2} \times 4$) AND RSS ($4\frac{1}{2} \times 4\frac{1}{2} \times 4$) CONDULET BODIES

Furnished with Cast Cover, Cover Gasket and Fastening Screws for Cover



Type RS Body with Cover

CONDULET BODIES—Black Enamel Finish

Types	RS	RSM	RSS
Inside Dimen., inches	$8\frac{1}{2} \times 8\frac{1}{2} \times 4$	$8\frac{1}{2} \times 4\frac{1}{2} \times 4$	$4\frac{1}{2} \times 4\frac{1}{2} \times 4$
Catalogue Number...	RS1	RSM1	RSS1
Standard Package...	10	10	10
Ship. Wt. Std. Pkg...	190 lbs.	120 lbs.	105 lbs.
List Price, each.....	\$6.00	\$4.25	\$3.75

CAST SIDE PLATES FOR TYPES RS, RSM, AND RSS CONDULET BODIES

Black Enamel Finish

Furnished with Gaskets and Fastening Screws



One Hub



Blank
Reverse Side, Showing Gasket



Blank
Reverse Side, Showing Gasket



One Hub



Two Hubs

Side Plates for $8\frac{1}{2} \times 4$ -inch Sides of Types RS and RSM Condulet Bodies

Style of Plate	Size hub	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
1-Hub	Cat No..	RSP1	RSP2	RSP3	RSP4	RSP5	RSP6	RSP7
	Std. Pkg.	40	40	40	40	40	40	40
	Wt. Pkg.	120 lbs.	125 lbs.	130 lbs.	140 lbs.	145 lbs.	150 lbs.	155 lbs.
	List, each	\$1.85	\$1.90	\$1.95	\$2.00	\$2.05	\$2.10	\$2.25
2-Hub	Size hubs	$\frac{1}{2}-1\frac{1}{2}$	$\frac{3}{4}-\frac{3}{4}$	$1-1\frac{1}{2}$	$1-1$	$1\frac{1}{4}-\frac{3}{4}$	$1\frac{1}{4}-1$	$1\frac{1}{4}-1\frac{1}{4}$
	Cat. No.	RSP11	RSP22	RSP31	RSP33	RSP42	RSP43	RSP44
	Std. Pkg.	40	40	40	40	40	40	40
	Wt. Pkg.	125 lbs.	140 lbs.	145 lbs.	150 lbs.	155 lbs.	160 lbs.	165 lbs.
	List, each	\$1.95	\$2.05	\$2.15	\$2.15	\$2.25	\$2.25	\$2.25
3-Hub	Size hubs	$1\frac{1}{2}-1$	$1\frac{1}{2}-1\frac{1}{4}$	$1\frac{1}{2}-1\frac{1}{2}$	$2-\frac{3}{4}$	$2-1$	$2-1\frac{1}{2}$	$2-2$
	Cat. No.	RSP53	RSP54	RSP55	RSP62	RSP63	RSP65	RSP66
	Std. Pkg.	40	40	40	40	40	40	40
	Wt. Pkg.	165 lbs.	165 lbs.	170 lbs.	175 lbs.	175 lbs.	180 lbs.	185 lbs.
	List, each	\$2.40	\$2.40	\$2.40	\$2.60	\$2.60	\$2.60	\$2.60
3-Hub	Size hubs	$\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	$\frac{3}{4}-\frac{3}{4}-\frac{3}{4}$	$1-1-1$	$1\frac{1}{4}-1\frac{1}{4}-\frac{3}{4}$	$1\frac{1}{4}-1\frac{1}{4}-1\frac{1}{4}$	$1\frac{1}{2}-1\frac{1}{2}-1$	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$
	Cat. No.	RSP111	RSP222	RSP333	RSP442	RSP444	RSP553	RSP555
	Std. Pkg.	40	40	40	40	40	40	40
	Wt. Pkg.	145 lbs.	150 lbs.	155 lbs.	160 lbs.	165 lbs.	170 lbs.	185 lbs.
	List, each	\$2.05	\$2.20	\$2.35	\$2.50	\$2.50	\$2.75	\$2.75

Side Plates for $4\frac{1}{2} \times 4$ -inch Sides of Types RSM and RSS Condulet Bodies

Style of Plate	Size hub	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
1-Hub	Cat. No.	RSMP1	RSMP2	RSMP3	RSMP4	RSMP5	RSMP6	RSMP7
	Std. Pkg.	40	40	40	40	40	40	40
	Wt. Pkg.	60 lbs.	65 lbs.	70 lbs.	70 lbs.	75 lbs.	80 lbs.	85 lbs.
	List, each	\$1.25	\$1.30	\$1.35	\$1.40	\$1.45	\$1.50	\$1.65

Cast Covers—with Gasket

For Condulet Bodies	RS	RSM	RSS
Catalogue Number..	RSP8800	RSP8400	RSP4400
Std. Pkg.(not ass't'd)	10	10	10
Ship. Wt. Std. Pkg..	75 lbs.	45 lbs.	35 lbs.
List Price, each.....	\$2.00	\$1.25	\$.90

Cast Blank Side Plates

Dimensions in inches	$8\frac{1}{2} \times 4$	$4\frac{1}{2} \times 4$
Catalogue Number..	RSP84400	RSP44400
Std. Pkg.	40	40
Ship. Wt. Std. Pkg..	120 lbs.	60 lbs.
List Price, each.....	\$1.80	\$1.20

For finishes and assortments of Condulet bodies, see page Cross Reference No. CH144a. Above side plates with black enameled or galvanized finish may be assorted to make up a standard package, regardless of style of plates. Gaskets are listed on page Cross Reference No. CH177. Condulet reducers are listed on page Cross Reference No. CH171.

(Cross Reference No. CH146)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE YQ CONDULETS

For 2 or 3-Pole Plug Receptacles and 2 or 3-Wire Cartridge or Plug Fuse Cut-outs

Furnished Complete with Crouse-Hinds Plug Receptacle and Crouse-Hinds Cut-out, but without Plug or Fuses



Type YQ

(Broken-away View)

Showing Cut-out PE53E and Receptacle RYQ303 Mounted, also Plug RQ303 and Padlock

Plug and Padlock are not included in List Prices for Condulets

These Condulets provide a housing for a combination of plug receptacle and cut-out.

They are particularly suited for use in shops having portable tools, also in garages, laundries, railroad yards, etc. They are weather-proof and, therefore, can be installed either indoors or outdoors.

Two types of N. E. C. cut-outs are furnished—cartridge and plug. The cartridge type can be used on circuits up to 30 amperes, 250 volts, and the plug type on circuits up to 30 amperes, 125 volts.

The door over the cut-out is provided with a spring catch and can be locked with a padlock if desired. The door covering the plug opening is rabbetted and is kept closed by a plunger spring, when the plug is not in place, thus preventing the entrance of dust, moisture and insects.

TYPE YQ CONDULETS—Black Enamel Finish

Complete with		Crouse-Hinds Plug Receptacle and 30 Amp., 250 Volt N. E. C. Cartridge Fuse Cut-out, but without Fuses			Crouse-Hinds Plug Receptacle and 30 Amp., 125 Volt N. E. C. Plug Fuse Cut-out, but without Fuses		
Style of Cut-out	Size in inches ..	1/2	3/4	1	1/2	3/4	1
2-wire	Catalogue No...	YQ1302E	YQ2302E	YQ3302E	YQ1302P	YQ2302P	YQ3302P
	Std. Pkg.....	10	10	10	10	10	10
	Wt. Std. Pkg...	260 lbs.	265 lbs.	270 lbs.	275 lbs.	280 lbs.	290 lbs.
	List Price, each.	\$15.85	\$16.00	\$16.15	\$15.85	\$16.00	\$16.15
3-wire	Catalogue No...	YQ1303E	YQ2303E	YQ3303E	YQ1303P	YQ2303P	YQ3303P
	Std. Pkg.....	10	10	10	10	10	10
	Wt. Std. Pkg...	300 lbs.	305 lbs.	310 lbs.	315 lbs.	320 lbs.	325 lbs.
	List Price, each.	\$18.75	\$19.00	\$19.25	\$18.75	\$19.00	\$19.25

N. E. C. CUT-OUTS FOR TYPE YQ CONDULETS



For 30 Ampere, 250 Volt Cartridge Fuses

For 30 Ampere, 125 Volt Plug Fuses

2-wire	3-wire	Style of Cut-out.	2-wire	3-wire
PE52E	PE53E	.. Catalogue No..	PE52P	PE53P
10	10	Standard Package	10	10
25 lbs.	30 lbs.	Weight Std. Pkg.	30 lbs.	35 lbs.
\$2.85	\$3.85	List Price, each.	\$2.85	\$3.85



TYPE RYQ PLUG RECEPTACLES—30 Amp. Capacity



For Type YQ Condulets

2-pole	250 Volts	3-pole
RYQ302	.. Catalogue No..	RYQ303
10	Standard Package	10
20 lbs.	Weight Std. Pkg.	25 lbs.
\$2.50	List Price, each.	\$3.50



TYPE RQ PLUGS—30 Ampere Capacity



For Types RQH, RQK and RYQ Receptacles

2-Pole		3-Pole	
RQ302	Catalogue Number	RQ303	
25	Standard Package.	25	
60 lbs.	Weight Std. Pkg..	70 lbs.	
\$3.50	List Price, each..	\$5.00	





(Cross Reference No. CH167a)


IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SHADE HOLDERS, CONDULET ELBOWS AND COUPLINGS


SHADE HOLDERS—Brass, Dipped Finish—For Crouse-Hinds Porcelain Receptacles

 NRS2 1/4	Size	For 2 1/4-inch Shades	For 3 1/4-inch Shades	For 2 1/4-inch Shades H Position	 NRS2 1/4
	Catalogue Number.....	NRS2 1/4	NRS3 1/4	NRS2 1/4	
	Standard Package.....	200	200	200	
	Shipping Weight Std. Pkg.	40 lbs.	60 lbs.	50 lbs.	
	List Price, each.....	\$.15	\$.30	\$.30	


CONDULET ELBOWS—45 Degrees—Black Enamel Finish

	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
	Catalogue Number.....	EL1	EL2	EL3	EL4	EL5
	Standard Package.....	200	100	50	20	10
	Shipping Weight Std. Pkg.	100 lbs.	80 lbs.	70 lbs.	55 lbs.	65 lbs.
	List Price, each.....	\$.22	\$.30	\$.35	\$.65	\$.70
	Size in inches.....	2	2 1/2	3	3 1/2	4
	Catalogue Number.....	EL6	EL7	EL8	EL9	EL10
	Standard Package.....	5	5	5	5	5
	Shipping Weight Std. Pkg.	35 lbs.	70 lbs.	80 lbs.	110 lbs.	125 lbs.
	List Price, each.....	\$1.15	\$2.60	\$3.00	\$4.25	\$5.30

COUPLINGS FOR TYPE F CONDULETS—Black Enamel Finish

	Size in inches.....	1/2	3/4	1	1 1/4	1 1/2
	Catalogue Number.....	Coup 1	Coup 2	Coup 3	Coup 4	Coup 5
	Standard Package.....	100	100	50	20	10
	Shipping Weight Std. Pkg.	30 lbs.	35 lbs.	35 lbs.	20 lbs.	15 lbs.
	List Price, each.....	\$.25	\$.30	\$.35	\$.50	\$.60
	Size in inches.....	2	2 1/2	3	3 1/2	4
	Catalogue Number.....	Coup 6	Coup 7	Coup 8	Coup 9	Coup 10
	Standard Package.....	5	5	5	5	5
	Shipping Weight Std. Pkg.	15 lbs.	25 lbs.	30 lbs.	50 lbs.	55 lbs.
	List Price, each.....	\$.80	\$1.50	\$2.50	\$4.80	\$5.50

CONDULET COUPLINGS—Black Enamel Finish—With Gasket

	Size in inches...	1/2-1/2	3/4-3/4	1-1	1 1/4-1 1/4	1 1/2-1 1/2	2-2
	Cat. No.....	Coup 11	Coup 22	Coup 33	Coup 44	Coup 55	Coup 66
	Std. Pkg.....	50	50	25	25	10	10
	Wt. Std. Pkg...	50 lbs.	60 lbs.	30 lbs.	35 lbs.	25 lbs.	30 lbs.
	List Price, each.	\$.65	\$.75	\$.85	\$.95	\$1.05	\$1.25

Finishes: Black enamel is the standard finish for Condulet elbows and Condulet couplings listed above, and will be furnished unless another finish is specified on the order. Galvanized finish on exterior and black enamel finish on interior will be furnished, at same price as all black enamel finish, when the order specifies galvanized finish. For special plated finishes, cast brass and cast bronze elbows and couplings with plain and special finishes, aluminum elbows and couplings with plain and black enamel finish, see page Cross Reference No. CH182. Above Condulet elbows or couplings of the same size with black enamel or galvanized finish may be assorted to make up a standard package. No other assortment is allowed. Dipped brass is the standard finish for shade holders, but polished or brush brass finish will be furnished at same price, if specifically ordered. No assortment of shade holders is allowed in making up a standard package.

(Cross Reference No. CH170)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDULET REDUCERS, UNIONS AND CORD CLAMPS

CONDULET REDUCERS

Standard Pkg. Assorted*	50	50	50	50	25	25	25	10	10
Ship. Wt. Std. Pkg.	60 lbs.	65 lbs.	70 lbs.	75 lbs.	45 lbs.	65 lbs.	105 lbs.	80 lbs.	100 lbs.
Size in inches.....	3/4-1/2	1-1/2	1 1/4-1/2	1 1/2-1/2	2-1/2	2 1/2-1/2	3-1/2	3 1/2-1/2	4-1/2
Catalogue Number.....	RE21	RE31	RE41	RE51	RE61	RE71	RE81	RE91	RE101
List Price, each.....	\$.15	\$.20	\$.30	\$.40	\$.50	\$1.00	\$1.35	\$2.00	\$2.75

Size in inches..... 1-3/4 1 1/4-3/4 1 1/2-3/4 2-3/4 2 1/2-3/4 3-3/4 3 1/2-3/4 4-3/4

Catalogue Number... RE32 RE42 RE52 RE62 RE72 RE82 RE92 RE102
List Price, each..... \$.20 \$.30 \$.40 \$.50 \$1.00 \$1.35 \$2.00 \$2.75

Size in inches..... 1 1/4-1 1 1/2-1 2-1 2 1/2-1 3-1 3 1/2-1 4-1

Catalogue Number... RE43 RE53 RE63 RE73 RE83 RE93 RE103
List Price, each..... \$.30 \$.40 \$.50 \$1.00 \$1.35 \$2.00 \$2.75

Size in inches..... 1 1/2-1 1/4 2-1 1/4 2 1/2-1 1/4 3-1 1/4 3 1/2-1 1/4 4-1 1/4

Catalogue Number... RE54 RE64 RE74 RE84 RE94 RE104
List Price, each..... \$.40 \$.50 \$1.00 \$1.35 \$2.00 \$2.75

Size in inches..... 2-1 1/2 2 1/2-1 1/2 3-1 1/2 3 1/2-1 1/2 4-1 1/2

Catalogue Number... RE65 RE75 RE85 RE95 RE105
List Price, each..... \$.50 \$1.00 \$1.35 \$2.00 \$2.75

Size in inches..... 2 1/2-2 3-2 3 1/2-2 4-2

Catalogue Number... RE76 RE86 RE96 RE106
List Price, each..... \$1.00 \$1.35 \$2.00 \$2.75

Size in inches..... 3-2 1/2 3 1/2-2 1/2 4-2 1/2

Catalogue Number... RE87 RE97 RE107
List Price, each..... \$1.35 \$2.00 \$2.75

Size in inches..... 3 1/2-3 4-3

Catalogue Number... RE98 RE108
List Price, each..... \$2.00 \$2.75

Size in inches..... 4-3 1/2

Catalogue Number... RE109
List Price, each..... \$2.75



Condulet Reducer

CONDULET UNIONS



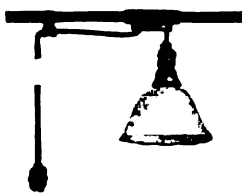
Condulet Union (Exploded View)



Condulet Union

Size in inches.	1/2-1/2	3/4-3/4	1-1	1 1/4-1 1/4	1 1/2-1 1/2
Catalogue No.	UN11	UN22	UN33	UN44	UN55
Standard Pkg.	50	50	25	25	25
Wt. Std. Pkg.	40 lbs.	50 lbs.	40 lbs.	50 lbs.	60 lbs.
List Price, ea.	\$.35	\$.40	\$.60	\$1.00	\$1.25

CORD CLAMP—Black Enamel Finish



Illustrating use of Cord Clamp



For
1/2, 3/4 and
1-inch
Conduit

Clamp 1
50
20 lbs.
\$.40

Description

Catalogue No.
Standard Pkg.
Wt. Std. Pkg.
List Price, each

For
30-60 Amp.
Condulets

PE35
50
15 lbs.
\$.15

For
100 Amp.
Condulets

PE36
50
30 lbs.
\$.25



PORCELAIN BUSHING—For Type PF Condulets


*Reducers listed in the same vertical column may be assorted to make up a standard package.
Finishes: Reducers are furnished with galvanized finish only.
Black enamel is the standard finish for unions, and will be furnished unless another finish is specified on the order. Galvanized finish will be furnished, if specifically ordered, at the same price as black enamel finish. For special plated finishes, and cast brass and cast bronze reducers and unions, see page Cross Reference No. CH182.
Black enameled and galvanized unions of the same size may be assorted to make up a standard package.

(Cross Reference No. CH171)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ARC LAMP HOOKS FOR CONDULETS

FOR ARC LAMPS, CEILING FANS AND SIMILAR INSTALLATIONS

Hooks Arranged for Guy Wire					Plain Hooks		
Size	For 1/2-inch Conduit	For 3/4-inch Conduit	For 1-inch Conduit		Size	For 1/2-inch and 3/4-inch Conduit	For 1-inch Conduit
Cat. No. ...	GAH1	GAH2	GAH3		Cat. No. ...	PAH2	PAH3
Std. Pkg. ...	50	50	50		Std. Pkg. ...	50	50
Wt. Std. Pkg.	50 lbs.	25 lbs.	25 lbs.		Wt. Std. Pkg.	25 lbs.	13 lbs.
List, each ..	\$.45	\$.45	\$.50		List, each ..	\$.20	\$.20

DIAMETER OF WIRE HOLES IN CONDULET COVERS

Obround Covers—Porcelain and Composition

Style	Size of Cover ...	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5 or 6
1-wire Std.*	Catalogue No. ...	11	21	31	41	51	61	71	81	91	101	1401
	Diameter Hole. ...	1 1/8	1 1/4	1 1/2	1 3/4	1 7/8	1 3/4	2 1/8	2 1/4	3 1/4	3 1/4	3 1/4
1-wire Spec.	Catalogue No. ...	11S	21S	31S	41S	51S	61S	71S	81S	91S	101S	Not made
	Diameter Hole. ...	5/8	3/4	1	1 1/8	1 1/4	1 1/2	1 3/4	1 3/4	1 3/4	1 3/4	2 1/4
2-wire	Catalogue No. ...	12	22	32	42	52	62	72	82	92	102	1402
	Diameter Holes. ...	3/8	3/8	1/2	1/2	1/2	1	1 1/8	1 1/8	1 1/4	1 1/4	2 1/4
3-wire	Catalogue No. ...	13	23	33	43	53	63	73	83	93	103	1403
	Diameter Holes. ...	1/2	3/8	1/2	1/2	1/2	1	1 1/8	1 1/8	1 1/4	1 1/4	2 1/4
4-wire	Catalogue No. ...	1400	2400	3400	4400	5400	6400	7400	8400	9400	10400	14400
	Diameter Holes. ...	1/2	1/2	1/2	1/2	5/8	1	1 1/8	1 1/8	1 1/4	1 1/4	1 7/8
5-wire	Catalogue No. ...	Not made	2500	3500	4500	5500	6500	7500	8500	9500	10500	14500
	Diameter Holes. ...	Not made	5/8	1/2	1/2	5/8	1 1/8	3/4	1 1/8	1 1/8	1 1/2	1 7/8
6-wire	Catalogue No. ...	Not made	2600	3600	4600	5600	6600	7600	8600	9600	10600	14600
	Diameter Holes. ...	Not made	5/8	3/8	1/2	1/2	5/8	7/8	7/8	1 1/8	1 1/8	1 7/8
7-wire	Catalogue No. ...	Not made	Not made	3700	4700	5700	6700	7700	8700	9700	10700	14700
	Diameter Holes. ...	Not made	Not made	1 1/2	7/8	1 1/2	1 1/2	1 1/2	1 1/2	1	1	1 1/8
8-wire	Catalogue No. ...	Not made	Not made	3800	4800	5800	6800	7800	8800	9800	10800	14800
	Diameter Holes. ...	Not made	Not made	5/8	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1
9-wire	Catalogue No. ...	Not made	Not made	3900	4900	5900	6900	7900	8900	9900	10900	14900
	Diameter Holes. ...	Not made	Not made	1 1/2	2 1/4	2 1/4	2 1/4	1 1/2	1 1/2	1 1/2	1 1/2	7/8
W. P.	Catalogue No. ...	14	24	34	44	2 1/2 and 3-inch Obround wire hole covers are interchangeable; also the 3 1/2 and 4-inch sizes.						
	Diameter Holes. ...	5/8	5/8	5/8	5/8							

Covers for G and H, FD and FS, RJ and RK, M and O Series of Condulet Bodies

Style of Cover	Type	For G and H Series		For FD and FS Series	Style of Cover	Type	For RJ and RK Series	For M and O Series	
		Form 5 or 10	Form 20					Style of Molding	
1-wire	Cat. No. ...	5101	201	DS1	1-wire Std.*	Cat. No. ...	RK01	021	031
	Diam. Hole	1 1/8	1 1/2	1 1/8		Diam. Hole	1 1/8	1 1/8	1 1/8
2-wire	Cat. No. ...	5102	202	DS2	1-wire Special	Cat. No. ...	RK01S	Not made	
	Diam. Holes	1/8	5/8	3/8		Diam. Hole	1		
3-wire	Cat. No. ...	5103	203	DS3	2-wire	Cat. No. ...	RK02		
	Diam. Holes	5/8	1/8	3/8		Diam. Holes	3/8		
4-wire	Cat. No. ...	510400	20400	DS4	3-wire	Cat. No. ...	RK03	Not made	
	Diam. Holes	1/8	1/8	1/8		Diam. Holes	1/8		
5-wire	Cat. No. ...	Not made		DS5					
	Diam. Holes			5/8					

*Standard 1-wire hole covers will always be furnished, unless order specifically calls for special 1-wire hole covers.

Finishes: Black enamel is the standard finish for hooks, and will be furnished unless another finish is specified on the order. Galvanized finish will be furnished, at same price as black enamel finish, when the order specifies galvanized finish.

Black enameled and galvanized hooks of the same type and size may be assorted to make up a standard package. No other assortment is allowed.

(Cross Reference No. CH172)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDULET GUARDS, GLOBES, SEALING PLATES AND REFLECTOR HOLDERS

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

GUARDS

Size.....	For V Series and Equipment VGDE1		For VH Series and Equipment VGDE2	
	Black	Marine	Black	Marine
Finish.....				
Cat. No....	V9	V90	VH9	VH90
Std. Pkg....	35	35	35	35
Wt. Std. Pkg.	40 lbs.	40 lbs.	60 lbs.	60 lbs.
List Price, ea.	\$1.80	\$1.80	\$2.25	\$2.25

GLOBES

Color....	Clear	Opal	Green	Blue	Orange	Ruby
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For V Series of Condulets and Equipment VGDE1

Cat. No..	V8	V41	V42	V43	V44	V45
Std. Pkg.	35	35	35	35	35	35
Wt. Pkg.	50 lbs.	50 lbs.	50 lbs.	50 lbs.	50 lbs.	50 lbs.
List, ea..	\$.80	\$1.10	\$1.70	\$1.70	\$1.70	\$2.35

For VH Series of Condulets and Equipment VGDE2

Cat.No..	VH8	VH41	VH42	VH43	VH44	VH45
Std. Pkg.	35	35	35	35	35	35
Wt. Pkg.	60 lbs.	60 lbs.	60 lbs.	60 lbs.	60 lbs.	60 lbs.
List, ea. .	\$.80	\$1.70	\$2.35	\$2.35	\$2.35	\$2.90

Type V Condulet
Complete with Globe, Guard
Receptacle and Sealing Plate
(Broken-away View)

SEALING PLATES—Brass

For V and VH Series of Condulets

Size	For V Series	For VH Series
Catalogue Number..	V51	VH51
Std. Pkg., not Ass'd.	35	35
Ship. Wt. Std. Pkg..	30 lbs.	40 lbs.
List Price, each.....	\$.30	\$.50

Reflector Holder
Showing Reflector Mounted

REFLECTOR HOLDERS

Take Reflectors Enumerated Below

Size.....	For V Series and Equipment VGDE1		For VH Series and Equipment VGDE2	
	Black	Marine	Black	Marine
Finish.....				
Cat. No....	V61	V610	VH61	VH610
Std. Pkg....	35	35	35	35
Wt. Std. Pkg.	30 lbs.	30 lbs.	35 lbs.	35 lbs.
List Price, ea.	\$1.40	\$1.40	\$1.65	\$1.65

Reflector Holder with Guard
Showing Reflector Mounted

COMBINATION REFLECTOR HOLDERS WITH GUARDS

Take Reflectors Enumerated Below

Size.....	For V Series and Equipment VGDE1		For VH Series and Equipment VGDE2	
	Black	Marine	Black	Marine
Finish.....				
Cat. No....	V71	V710	VH71	VH710
Std. Pkg....	35	35	35	35
Wt. Std. Pkg.	50 lbs.	50 lbs.	70 lbs.	70 lbs.
List Price, ea.	\$2.00	\$2.00	\$2.50*	\$2.50

Above holders take the following reflectors which are not included in list prices.

Holders V61, V610, V71 and V710 take HOLOPHANE—626, 627 and OVERBAUGH & AYERS—769, 771. Holders VH61, VH610, VH71 and VH710 take HOLOPHANE—628, 629 and OVERBAUGH & AYERS—770, 772.

Finishes: Galvanized finish will be furnished at the same price as black finish, when order specifies galvanized finish.

Black, marine and galvanized guards of the same size may be assorted to make up a standard package. The same assortment applies to reflector holders and reflector holders with guards.

(Cross Reference No. CH173)

Type V Condulet
Complete with Globe, Guard
Receptacle and Sealing Plate
(Broken-away View)


Reflector Holder
Showing Reflector Mounted

Reflector Holder with Guard
Showing Reflector Mounted

GASKETS FOR CONDULETS

GASKETS FOR OBOURND COVERS AND OBOURND CONDULETTTO FITTINGS



For use between Condulet Bodies and Covers or Fittings

	Size in inches	1/2	3/4	1	1 1/4	1 1/2
	Catalogue Number	Gask 1	Gask 2	Gask 3	Gask 4	Gask 5
	Standard Package	200	100	50	25	25
	List Price, each	\$.10	\$.10	\$.15	\$.20	\$.20
Size in inches	2	2 1/2	3	3 1/2	4	5 and 6
Catalogue Number	Gask 6	Gask 7	Gask 8	Gask 9	Gask 10	Gask 86
Standard Package	25	25	25	25	25	25
List Price, each	\$.25	\$.40	\$.40	\$.50	\$.60	\$.70


GASKETS FOR OBOURND CONDULETTTO FITTINGS

For use between Cap and Base



GASKET FOR
FD AND FS
CONDULET BODIES

	Size in inches ..	1/2	3/4	1	
	Cat. No.	Gask 31	Gask 32	Gask 33	
	Std. Pkg.	250	100	50	
	List Price, ea. .	\$.10	\$.10	\$.15	
				Gask 91	
				30	
				\$.25	

GASKETS FOR TYPE F CONDULET COUPLINGS

	Size in inches	$\frac{1}{2}$		$\frac{3}{4}$	1	$1\frac{1}{4}$	
	Catalogue Number	Gask 11		Gask 12	Gask 13	Gask 14	
	Standard Package	100		100	50	25	
	List Price, each	\$.05		\$.05	\$.08	\$.10	
Size in inches		$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Catalogue Number		Gask 15	Gask 16	Gask 17	Gask 18	Gask 19	Gask 20
Standard Package		25	25	25	25	25	25
List Price, each		\$.10	\$.15	\$.20	\$.20	\$.40	\$.50



GASKETS FOR G AND H SERIES OF
CONDULET BODIESFor use between Bodies and Covers
or FittingsGASKETS FOR NORBITT CONDULETTTO
FITTINGSFor use between Bodies of the J and K Series
and Fittings

	For Form 5 and Form 10 Bodies	For Form 20 Bodies	Gask 23 is also for use with Blank Cover J100		
	Gask 21	Gask 22	... Catalogue Number ...	Gask 23	
	100	75	... Standard Package ...	200	
	\$.10	\$.15	... List Price, each	\$.10	

GASKETS FOR RJ AND RK SERIES
OF CONDULET BODIES



For use between Bodies and Metal Covers

GASKETS FOR ELLIPTICAL CONDULETTTO
FITTINGSFor use between RJ and RK Series of Condulet
Bodies and Fittings or Porcelain Covers

	Gask 35 Catalogue Number	Gask 34	
	200	..... Standard Package	200
	\$.15	..... List Price, each	\$.15

GASKETS FOR V SERIES OF CONDULETS




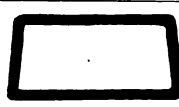
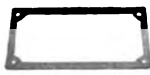










GASKETS FOR VH SERIES OF CONDULETS

	Sealing Plate Gasket	Globe Gasket	Description	Sealing Plate Gasket	Globe Gasket	
	Gask 26	Gask 24	... Cat. No. ...	Gask 27	Gask 25	
	35	35	... Std. Pkg. ...	35	35	
	\$.15	\$.15	... List, each ...	\$.20	\$.20	

(Cross Reference No. CH176)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDULET GASKETS

Gaskets for WV Condulets					Gaskets for Equipments VGDE1 and VGDE2				
	Globe Gaskets		Cover Gasket	Description	Globe Gaskets		Between Holder and Body		
	Upper	Lower			For VGDE1	For VGDE2			
	Gask 87 25 \$.35	Gask 88 25 \$.35	Gask 89 25 \$.35	Cat. No. Std. Pkg. List, ea..	Gask 24 35 \$.15	Gask 25 35 \$.20	Gask 60 35 \$.25		
Gasket for Types PRC and PRX Condulets For use between Bodies and Covers					Gasket for Types PJCA and PJX Condulets For use between Bodies and Covers				
	Gask 52 25 \$.35	..... Catalogue Number..... Standard Package..... List Price, each				Gask 67 25 \$.30		
Gaskets for RS Series of Condulet Bodies									
	Size	For 8½x8½ Cover	For 8½x4½ Cover	For 4½x4½ Cover	For 8½x4 Side Plate	For 4½x4 Side Plate			
		Gask 61 25 \$.50	Gask 63 25 \$.40	Gask 64 25 \$.35	Gask 66 25 \$.35	Gask 65 25 \$.30			
Gaskets for LO, CL and BO Series of Condulet Bodies For use between Bodies and LOB00 or LOB000 Covers					Gasket for DSP Series of Condulet Bodies For use between Bodies and Rectangular Cover				
	Gask 60 35 \$.25	Gask 85 35 \$.30	..... Catalogue Number..... Standard Package..... List Price, each ..		Gask 84 50 \$.25			
Gasket for Types JRRH and JRRV Hoods For use between Condulet Bodies and Hoods					Gasket for Types MOH and MOV Hoods For use between Condulet Bodies and Hoods				
	Gask 70 50 \$.20	..... Catalogue Number..... Standard Package..... List Price, each				Gask 90 50 \$.25		
Gasket for Types UGC and UGX Bodies For use between Bodies and Covers or Receptacle Housings					Gasket for Types BPF, BPFA and BPB Plugs For use between Receptacle Housings and Plugs				
	Gask 51 25 \$.75	..... Catalogue Number..... Standard Package..... List Price, each				Gask 59 25 \$.25		
Gaskets for Type UGE Frame					Gaskets for SP Series of Condulets				
	For Blank or Hub Plates and Receptacle Housing	For Supporting and Flange Plates	Description	Gasket for Brass Ring	Gasket for Glass Disk				
	Gask 82 25 \$.40	Gask 83 25 \$.40		..Cat. No.. ..Std. Pkg.. List Price, ea.	Gask 57 25 \$.60		Gask 58 25 \$.50		
Gasket for Condulet Bodies or Side Bracket Hoods that take Receptacle Mounting Plate RMP1 For use between Bodies and Mounting Plate					Gasket for Conduletto Clamp Fittings and Receptacle CCV337				
	Gask 85 35 \$.30	..... Catalogue Number..... Standard Package..... List Price, each				Gask 30 25 \$.10		

(Cross Reference No. CH177)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDULET FINISHES

IRON CONDULETS AND COVERS

To determine the list prices of iron Condulets or covers with special plated finishes, use the following schedule:

Hot Galvanized	Multiply the standard list price of the article in iron with black enamel finish by $1\frac{1}{4}$.
Brass Plated	Plain Finish: Multiply the standard list price of the article in iron with black enamel finish by $1\frac{1}{4}$. Polished Finish: Multiply the standard list price of the article in iron with black enamel finish by 3. Oxidized Finish: Multiply the standard list price of the article in iron with black enamel finish by 3.
Copper Plated	Plain Finish: Multiply the standard list price of the article in iron with black enamel finish by $1\frac{1}{4}$. Polished Finish: Multiply the standard list price of the article in iron with black enamel finish by 3. Oxidized Finish: Multiply the standard list price of the article in iron with black enamel finish by 3.
Nickel Plated	Plain Finish: Multiply the standard list price of the article in iron with black enamel finish by $1\frac{1}{4}$. Polished Finish: Multiply the standard list price of the article in iron with black enamel finish by 3. Oxidized Finish: Multiply the standard list price of the article in iron with black enamel finish by 3.

Iron Condulets or covers with polished plated finishes have to be ground and polished before plate is applied and again polished after plate has been applied.

Iron Condulets or covers with plain plated finishes are not ground and polished before plate is applied and, therefore, can not be satisfactorily polished after plate is applied.

CAST BRASS AND CAST BRONZE CONDULETS

To determine the list prices of cast brass or cast bronze Condulets with various finishes, use the following schedule:

Cast Brass	Marine Finish: Multiply the standard list price of the article in iron with black enamel finish by 3. Plain Finish: (See note*) Multiply the standard list price of the article in iron with black enamel finish by 3. Polished Finish: Multiply the standard list price of the article in iron with black enamel finish by $3\frac{1}{4}$. Sand Blast Finish: Multiply the standard list price of the article in iron with black enamel finish by $3\frac{1}{4}$. Oxidized Finish: Multiply the standard list price of the article in iron with black enamel finish by $3\frac{1}{4}$.
Cast Bronze	Plain Finish: Multiply the standard list price of the article in iron with black enamel finish by $3\frac{1}{4}$. Polished Finish: Multiply the standard list price of the article in iron with black enamel finish by $3\frac{1}{4}$. Sand Blast Finish: Multiply the standard list price of the article in iron with black enamel finish by $3\frac{1}{4}$. Oxidized Finish: Multiply the standard list price of the article in iron with black enamel finish by $3\frac{1}{4}$.

*Cast brass Condulets with marine finish will be furnished with plain finish at the same list price.

SHEET BRASS AND SHEET BRONZE COVERS

To determine the list prices of sheet brass or sheet bronze covers with various finishes, use the following schedule:

Sheet Brass	Plain Finish: Multiply the standard list price of the article in iron with black enamel finish by 3. Polished Finish: Multiply the standard list price of the article in iron with black enamel finish by 4. Sand Blast Finish: Multiply the standard list price of the article in iron with black enamel finish by 4. Oxidized Finish: Multiply the standard list price of the article in iron with black enamel finish by 4.
Sheet Bronze	Plain Finish: Multiply the standard list price of the article in iron with black enamel finish by 3. Polished Finish: Multiply the standard list price of the article in iron with black enamel finish by 4. Sand Blast Finish: Multiply the standard list price of the article in iron with black enamel finish by $4\frac{1}{2}$. Oxidized Finish: Multiply the standard list price of the article in iron with black enamel finish by 4.

ALUMINUM CONDULETS AND COVERS

To determine the list prices of aluminum Condulets or covers with various finishes, use the following schedule:

Aluminum	Plain Finish: Multiply the standard list price of the article in iron with black enamel finish by $2\frac{1}{2}$. Polished Finish: Multiply the standard list price of the article in iron with black enamel finish by 3. Black Enamel Finish: Multiply the standard list price of the article in iron with black enamel finish by $2\frac{1}{2}$.
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Important Information Concerning Iron Condulets or Covers with Special Plated Finishes and Condulets or Covers of Special Metals with Various Finishes

Condulets or covers with special finishes or of special metal with various finishes can be ordered by using the catalogue number for black enamel Condulet or cover of type and size desired, followed by a description of the selected special finish or special metal.

Thus, the order for a $\frac{1}{2}$ -inch type FD Condulet body, brass plated and polished, should read: "FD1 brass plated polished."

A standard package quantity of Condulets or covers with a special plated finish or of a special metal with a special finish is the same as for black enamel Condulets or covers of the same type and size.

(Cross Reference No. CH182)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.















**For Types A, B, C, CO, D, E, LB, LBA, LBB, LBL, LBV, LF, LFB, LFM, LL, LLB, LR, LRB,
LU, T, TB, TL, TR, U, UB and X Condulet Bodies**

Furnished with Gasket between Base and Cap, and all necessary Fastening Screws

N ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Condulet bodies that take Obround Conduletto fittings are listed on pages Cross Reference Nos. CH21 to CH29a, inclusive. Obround gaskets are listed separately on page Cross Reference No. CH176.
(Cross Reference No. CH184a)

NORBITT CONDULETTO FITTINGS
FOR CONDULET BODIES OF THE J AND K SERIES
 Furnished with Gasket and Fastening Screw

	RECEPTACLE WITH SHADE HOLDER GROOVE	
	Complete Fitting	
	Catalogue Number	CC227G
	Standard Package	200
	Shipping Weight Std. Pkg.	130 lbs.
	List Price, each	\$.45
	RECEPTACLE WITHOUT SHADE HOLDER GROOVE	
	Complete Fitting	
	Catalogue Number	CC227
	Standard Package	200
	Shipping Weight Std. Pkg.	140 lbs.
	List Price, each	\$.40
	CORD ROSETTE	
	Complete Fitting	
	Catalogue Number	CC332
	Standard Package	200
	Shipping Weight Std. Pkg.	140 lbs.
	List Price, each	\$.30
	FIXTURE ROSETTE WITH 1/8 MALE NIPPLE	
	Complete Fitting	
	Catalogue Number	CC339
	Standard Package	100
	Shipping Weight Std. Pkg.	80 lbs.
	List Price, each	\$.35
	FIXTURE ROSETTE WITH 1/8 FEMALE NIPPLE	
	Complete Fitting	
	Catalogue Number	CC338
	Standard Package	100
	Shipping Weight Std. Pkg.	80 lbs.
	List Price, each	\$.35
	HUBBELL ATTACHMENT PLUG RECEPTACLE—10 AMPERE	
	Complete Fitting	
	Catalogue Number	CC5
	Standard Package	100
	Shipping Weight Std. Pkg.	70 lbs.
	List Price, each	\$.50
	HUBBELL POLARITY PLUG RECEPTACLE—20 AMPERE	
	Complete Fitting	
	Catalogue Number	CC20
	Standard Package	100
	Shipping Weight Std. Pkg.	70 lbs.
	List Price, each	\$.65

Norbitt Conduletto fittings are made in one size only and are interchangeable on Condulet bodies of the J and K series.

Proper fastening screw is furnished with each Norbitt Conduletto fitting, and is so held in screw hole that it can not fall out.

Condulet bodies that take Norbitt Conduletto fittings are listed on pages Cross Reference Nos. CH65, CH66 and CH67. Gasket is listed separately on page Cross Reference No. CH176.








(Cross Reference No. CH186a)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ELLIPTICAL CONDULETTO FITTINGS

FOR CONDULET BODIES OF THE RJ AND RK SERIES

Furnished with Gasket and Fastening Screws

	RECEPTACLE WITH SHADE HOLDER GROOVE	
	Complete Fitting	
	Catalogue Number	RK527G
	RECEPTACLE WITHOUT SHADE HOLDER GROOVE	
	Complete Fitting	
	Catalogue Number	RK527
	CORD ROSETTE	
	Complete Fitting	
	Catalogue Number	RK532
	FIXTURE ROSETTE WITH 1/8 MALE NIPPLE	
	Complete Fitting	
	Catalogue Number	RK539
	FIXTURE ROSETTE WITH 1/8 FEMALE NIPPLE	
	Complete Fitting	
	Catalogue Number	RK538
	HUBBELL ATTACHMENT PLUG RECEPTACLE—10 AMPERE	
	Complete Fitting	
	Catalogue Number	RK5
	HUBBELL POLARITY PLUG RECEPTACLE—20 AMPERE	
	Complete Fitting	
	Catalogue Number	RK20

Elliptical Conduletto fittings are made in one size only and are interchangeable on all Condulet bodies of the RJ and RK series.

Proper fastening screws are furnished with Elliptical Conduletto fittings, and are so held in screw holes that they can not fall out.

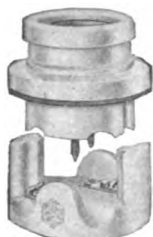
Condulet bodies that take Elliptical Conduletto fittings are listed on pages Cross Reference Nos. CH69, CH70, CH71 and CH72. Gasket is listed separately on page Cross Reference No. CH176.

(Cross Reference No. CH188a)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NORBITT CONDULETTO CLAMP FITTINGS FOR CONDULETS OF THE S SERIES

Norbitt Conduletto Clamp Receptacle C337 is used with the following: Equipments VGDE1 and VGDE2; Crouse-Hinds Reflector and Receptacle Holder SRH2, and Receptacle Mounting Plate RMP1. Furnished with Gasket



Norbitt Conduletto Clamp Receptacle
With Shade Holder Groove
(Exploded View)

Norbitt Conduletto Clamp fittings eliminate soldered and taped joints, and have the additional advantage of enclosed contacts.

These fittings are made in two parts—base and cap. Circuit wires connect direct to the base, and two screws through the cap complete the electrical connection and clamp fitting in position.

Norbitt Conduletto Clamp fittings have a base common to all. This construction permits the substitution of one style of cap for another, without disconnecting circuit wires.



Norbitt Conduletto Clamp
Cord Rosette
(Exploded View)

RECEPTACLE WITH SHADE HOLDER GROOVE



Description	Fitting Complete
Catalogue Number	C337G
Standard Package	200
Shipping Weight Std. Pkg.	110 lbs.
List Price, each	\$.45

RECEPTACLE WITHOUT SHADE HOLDER GROOVE



Description	Fitting Complete
Catalogue Number	C337
Standard Package	200
Shipping Weight Std. Pkg.	110 lbs.
List Price, each	\$.40

CORD ROSETTE



Description	Fitting Complete
Catalogue Number	C442
Standard Package	200
Shipping Weight Std. Pkg.	100 lbs.
List Price, each	\$.30

FIXTURE ROSETTE WITH 1/8 MALE NIPPLE



Description	Fitting Complete
Catalogue Number	C449
Standard Package	100
Shipping Weight Std. Pkg.	65 lbs.
List Price, each	\$.35

FIXTURE ROSETTE WITH 1/8 FEMALE NIPPLE



Description	Fitting Complete
Catalogue Number	C448
Standard Package	100
Shipping Weight Std. Pkg.	65 lbs.
List Price, each	\$.35

Condulet bodies that take Norbitt Conduletto clamp fittings are listed on pages Cross Reference Nos. CH94 and CH95. Equipments VGDE1 and VGDE2, Crouse-Hinds reflector and receptacle holder SRH2 and receptacle mounting plate RMP1, with each of which receptacle C337 is used, are listed on page Cross Reference No. CH160a. Gasket is listed separately on page Cross Reference No. CH177.

(Cross Reference No. CH190)

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE PIPE TAPLETS

NATIONAL ELECTRICAL CODE STANDARD

Pipe taplets are a series of iron conduit fittings which provide the necessary outlets for lamps, for branches or for pulling in the wires in iron conduit work. They have certain other features which place them in a superior class all their own.

Nearly all of the types are now made in sizes up to 4-inch. Each size of covers fits two sizes of taplets; so only five sizes of covers are needed for the ten sizes of taplets. Taplets with the same size of opening are grouped as follows: $\frac{1}{2}$ and $\frac{3}{4}$ -inch, 1 and $1\frac{1}{4}$ -inch, $1\frac{1}{2}$ and 2-inch, $2\frac{1}{2}$ and 3-inch, $3\frac{1}{2}$ and 4-inch. A "universal" opening has been designed for pipe taplets so that all styles of devices can be fastened directly to any $\frac{1}{2}$ -inch or $\frac{3}{4}$ -inch taplet. This makes special types unnecessary, except for round base switches.

In the hubs of all pipe taplets, up to 2-inch size, will be found steel set screws for securely fastening the entering pipes. By this means perfect alignment is secured for all classes of work.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



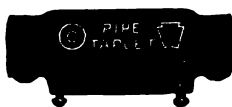
Type A

Trade No.	Mfrs. No.	Size of Pipe - Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
07655	4112	$\frac{1}{2}$	200	135	\$0.24
07656	4122	$\frac{3}{4}$	100	110	.36
07657	4132	1	50	75	.43
07658	4142	$1\frac{1}{4}$	20	60	.73
07659	4152	$1\frac{1}{2}$	10	40	.80
28487	4262	2	5	30	1.78
63801	4272	$2\frac{1}{2}$	5	...	4.95
63802	4282	3	5	...	5.45
63803	4292	$3\frac{1}{2}$	5	...	10.40
63804	4302	4	5	...	11.70



Type B

TYPE B					
Trade No.	Mfrs. No.	Size of Pipe - Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
07660	4113	$\frac{1}{2}$	200	158	.29
07661	4123	$\frac{3}{4}$	100	120	.41
07662	4133	1	50	75	.50
07663	4143	$1\frac{1}{4}$	20	65	.91
07664	4153	$1\frac{1}{2}$	10	40	1.04
28480	4263	2	5	30	2.26
63805	4273	$2\frac{1}{2}$	5	...	5.35
63806	4283	3	5	...	5.85
63807	4293	$3\frac{1}{2}$	5	...	11.35
63808	4303	4	5	...	12.70



Type C

TYPE C					
Trade No.	Mfrs. No.	Size of Pipe - Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
07645	4110	$\frac{1}{2}$	200	175	.36
07646	4120	$\frac{3}{4}$	100	127	.46
07647	4130	1	50	90	.59
07648	4140	$1\frac{1}{4}$	20	75	1.05
07649	4150	$1\frac{1}{2}$	10	45	1.22
28481	4260	2	5	35	2.55
63809	4270	$2\frac{1}{2}$	5	...	6.25
63810	4280	3	5	...	7.40
63811	4290	$3\frac{1}{2}$	5	...	16.70
63812	4300	4	5	...	18.30



Type D

TYPE D					
Trade No.	Mfrs. No.	Size of Pipe - Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
63813	3912	$\frac{1}{2}$	75	...	.34
63814	3922	$\frac{3}{4}$	50	...	.46
63815	3932	1	25	...	.57
63816	3942	$1\frac{1}{4}$	15	...	1.05
63817	3952	$1\frac{1}{2}$	10	...	1.22



Type E

TYPE E					
Trade No.	Mfrs. No.	Size of Pipe - Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
07650	4111	$\frac{1}{2}$	200	138	.29
07651	4121	$\frac{3}{4}$	100	110	.40
07652	4131	1	50	74	.50
07653	4141	$1\frac{1}{4}$	20	60	.91
07654	4151	$1\frac{1}{2}$	10	40	1.04
28482	4261	2	5	35	2.26
63818	4271	$2\frac{1}{2}$	5	...	5.35
63819	4281	3	5	...	5.85
63820	4291	$3\frac{1}{2}$	5	...	11.35
63821	4301	4	5	...	12.70

The above prices do not include covers. For covers alone see one of the following pages. Covers are interchangeable on pipe taplet sizes as follows: $\frac{1}{2}$ and $\frac{3}{4}$ -inch, 1 and $1\frac{1}{4}$ -inch, $1\frac{1}{2}$ and 2-inch, $2\frac{1}{2}$ and 3-inch, $3\frac{1}{2}$ and 4-inch.

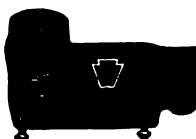
PAISTE PIPE TAPLETS

NATIONAL ELECTRICAL CODE STANDARD



Type LB

Trade No.	Mfrs. No.	Size of Pipe Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
28483	3910	$\frac{1}{2}$	200	175	\$0.40
28484	3920	$\frac{3}{4}$	100	120	.50
28485	3930	1	50	90	.65
28486	3940	$1\frac{1}{4}$	20	75	1.15
28488	3950	$1\frac{1}{2}$	10	...	1.37
28489	3960	2	5	...	2.77



Type LBL

Trade No.	Mfrs. No.	Size of Pipe Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
28490	3919	$\frac{1}{2}$	50	...	.65
28491	3929	$\frac{3}{4}$	35	...	.85
28492	3939	1	25	...	.95



Type LF

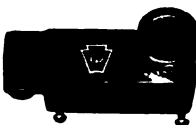
Trade No.	Mfrs. No.	Size of Pipe Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
094775	3911	$\frac{1}{2}$	200	...	.40
094776	3921	$\frac{3}{4}$	100	...	.50
094777	3931	1	50	...	.65
094778	3941	$1\frac{1}{4}$	20	...	1.15
094779	3951	$1\frac{1}{2}$	10	...	1.37
094780	3961	2	5	...	2.77

Trade No.	Mfrs. No.	Size of Pipe Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
064982	4119	$\frac{1}{2}$	200	175	.40
064983	4129	$\frac{3}{4}$	100	120	.50
064984	4139	1	50	90	.65
064985	4149	$1\frac{1}{4}$	20	75	1.15
064986	4159	$1\frac{1}{2}$	10	45	1.37
094771	4269	2	5	35	2.77
094781	4279	$2\frac{1}{2}$	5	...	6.55
094782	4289	3	5	...	7.70
094783	4299	$3\frac{1}{2}$	5	...	17.10
094784	4309	4	5	...	19.10



Type LL

Trade No.	Mfrs. No.	Size of Pipe Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
064977	4118	$\frac{1}{2}$	200	175	.40
064978	4128	$\frac{3}{4}$	100	120	.50
064979	4138	1	50	90	.65
064980	4148	$1\frac{1}{4}$	20	75	1.15
064981	4158	$1\frac{1}{2}$	10	45	1.37
094772	4268	2	5	35	2.77
094785	4278	$2\frac{1}{2}$	5	...	6.55
094786	4288	3	5	...	7.70
094787	4298	$3\frac{1}{2}$	5	...	17.10
094788	4308	4	5	...	19.10



Type LR

Trade No.	Mfrs. No.	Size of Pipe Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
064967	4116	$\frac{1}{2}$	75	...	.60
064968	4126	$\frac{3}{4}$	50	...	.82
064969	4136	1	35	...	1.05
064970	4146	$1\frac{1}{4}$	20	95	1.35
064971	4156	$1\frac{1}{2}$	10	60	1.78



Type X

SPECIAL TYPE X

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
088712	4190	$\frac{3}{4}$ -in. mains, $\frac{1}{2}$ -in. branch	50	...	\$0.82
088713	4191	1-in. mains, $\frac{1}{2}$ -in. branch	35	...	1.05
088714	4192	1-in. mains, $\frac{3}{4}$ -in. branch	35	...	1.05
62451	4193*	1-in. main, $\frac{3}{4}$ -in. extension, $\frac{1}{2}$ -in. branches	35	...	1.05
62452	4194*	$1\frac{1}{4}$ -in. main, 1-in. extension, $\frac{3}{4}$ -in. branches	20	...	1.35

*These two special Types X are designed for use with gang type switch pipe taplets Type GG, allowing several circuit lines to be carried in the same conduit as far as they run in the same direction.

The above prices do not include covers. For covers alone see one of the following pages. Covers are interchangeable on pipe taplet sizes as follows: $\frac{1}{2}$ and $\frac{3}{4}$ -inch, 1 and $1\frac{1}{4}$ -inch, $1\frac{1}{2}$ and 2-inch, $2\frac{1}{2}$ and 3-inch, $3\frac{1}{2}$ and 4-inch.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE PIPE TAPLETS NATIONAL ELECTRICAL CODE STANDARD

TYPE U



Type U

Trade No.	Mfrs. No.	Size of Pipe Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
064972	4117	$\frac{1}{2}$	100	110	\$0.52
064973	4127	$\frac{3}{4}$	50	70	.62
064974	4137	1	40	80	.85
064975	4147	$1\frac{1}{4}$	20	75	1.30
064976	4157	$1\frac{1}{2}$	10	45	1.52

TYPE T



Type T

Trade No.	Mfrs. No.	Size of Pipe Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
07665	4114	$\frac{1}{2}$	100	...	.48
07666	4124	$\frac{3}{4}$	75	135	.62
07667	4134	1	50	115	.80
07668	4144	$1\frac{1}{4}$	20	85	1.33
07669	4154	$1\frac{1}{2}$	10	50	1.69
094773	4264	2	5	50	2.67
094789	4274	$2\frac{1}{2}$	5	...	7.45
094790	4284	3	5	...	8.15
62301	4294	$3\frac{1}{2}$	5	...	22.60
62302	4304	4	5	...	24.60

REDUCING TYPE T



Type TB

Trade No.	Mfrs. No.	Description.	Std. Pkg.	Price Each
015790	4170	$\frac{1}{2}$ -in. mains, $\frac{3}{4}$ -in. branch	100	\$0.56
015791	4171	$\frac{3}{4}$ -in. main, $\frac{1}{2}$ -in. branches	75	.62
015792	4172	1-in. mains, $\frac{3}{4}$ -in. branch	50	.80
094774	4173	1-in. mains, $\frac{1}{2}$ -in. branch	50	.80

TYPE TB



Special T Fitting

Trade No.	Mfrs. No.	Size of Pipe Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
62456	3914	$\frac{1}{2}$	200	...	\$0.48
62457	3924	$\frac{3}{4}$	100	...	.62
62458	3934	1	50	...	.80

SPECIAL TYPE T, WITH TAPLET AND COVER

These fittings are provided with a wiring opening of such shade and size that a special taplet button may be set inside; with this large opening and the taplet a two-wire branch from either two or three-wire mains may be made.

The prices below cover the pipe taplet complete, with casting, porcelain tap block and blank metal cover.

Trade No.	Mfrs. No.	Size of Pipe Inches	Std. Pkg.	Price Each
62459	4240	$\frac{1}{2}$	50	.76
62460	4243	$\frac{3}{4}$	25	.90

BRANCH-OFF T FITTINGS

With these pipe taplet branches, a new branch line may be taken off at any point where one of our $\frac{1}{2}$ -inch or $\frac{3}{4}$ -inch pipe taplets is already in place.

These fittings set on top of the regular pipe taplet and are held in place by two long screws running through them and threaded into the pipe taplet and by the two screws to be placed in the flanges of the outer end.

Surface Branch Fittings

These fittings are of such shape as to carry the new line at the same level as the old one.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
088715	4225	Provides $\frac{1}{2}$ -inch branch	50	\$0.40
62453	4226	Provides $\frac{3}{4}$ -inch branch	25	.45

Concealed to Surface Fittings

For work where a line of conduit is entirely concealed in cement or plaster and a surface branch is required.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
62454	4227	Provides $\frac{1}{2}$ -inch branch	50	.35
62455	4228	Provides $\frac{3}{4}$ -inch branch	25	.40

The above prices do not include covers. For covers alone see one of the following pages. Covers are interchangeable on pipe taplet sizes as follows: $\frac{1}{2}$ and $\frac{3}{4}$ -inch, 1 and $1\frac{1}{4}$ -inch, $1\frac{1}{2}$ and 2-inch, $2\frac{1}{2}$ and 3-inch, $3\frac{1}{2}$ and 4-inch.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

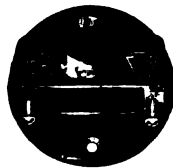
Branch-off T Fitting
Surface BranchBranch-off T Fitting
Concealed to Surface

PAISTE PIPE TAPLETS

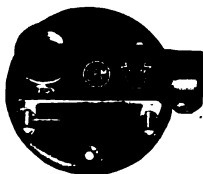
NATIONAL ELECTRICAL CODE STANDARD

PIPE TAPLETS FOR BRACKETS

These pipe taplets are used for fastening a bracket to pole or wall and furnishing an entrance for the wires. Type DF is used for open wiring; Types LFM and TM, for conduit wiring.



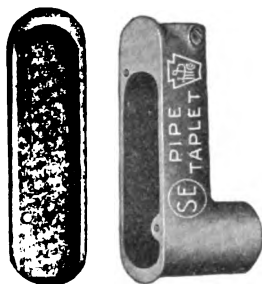
Type DF



Type LFM



Type TM



Easy Pull Type



Straight Pull Type

Type DF

Trade No.	Mfrs. No.	Type No.	Size of Pipe, Inches	Std. Pkg.	Price Each
088723	4265	DF-1	1/2	35	\$1.15
088724	4266	DF-2	3/4	35	1.35

Type LFM

088725	4275	LFM-1	1/2	35	1.15
088726	4276	LFM-2	3/4	35	1.35

Type TM

088727	4285	TM-1	1/2	35	1.30
088728	4286	TM-2	3/4	35	1.50

TYPE SE—SERVICE ELBOWS

Easy Pull Type

These service elbows have long, roomy openings which make the pulling of wires very easy. For this reason they are often used for indoor work also. The cover has grooved top, making it water-tight without a gasket.

Special locking screws and key furnished free if ordered with the fitting.

Unless otherwise ordered, galvanized finish will be furnished.

Trade No.	Mfrs. No.	Size of Pipe, Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
088717	4238	1/2	100	....	\$0.60
088718	4239	3/4	100	....	.70
054400	4230	1	50	120	.90
054401	4231	1 1/4	24	110	1.35
054402	4232	1 1/2	20	75	1.80
088716	4233	2	10	....	3.00
088719	4234	2 1/2	4	....	6.00
088720	4235	3	4	....	7.00
088721	4236	3 1/2	4	....	17.00
088722	4237	4	4	....	19.00

TYPE SS—SERVICE ELBOWS

Straight Pull Type

With these elbows a straight pull through the opening is secured in both directions.

A rubber gasket is furnished with these fittings.

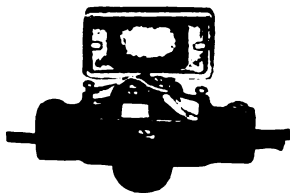
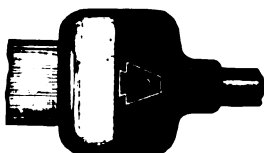
Unless otherwise ordered, galvanized finish will be furnished.

Trade No.	Mfrs. No.	Size of Pipe, Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
064987	4115	1/2	100	105	\$0.60
064988	4125	3/4	50	75	.70
064989	4135	1	40	72	.90

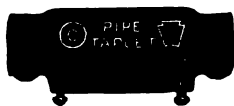
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE PIPE TABLET FITTINGS

NATIONAL ELECTRICAL CODE STANDARD

No. 5256 Tap Block,
on Pipe TabletNo. 5254 on Pipe Tablet
Connector to Wood Molding

Switch Holder

Snap Switch Fastened on
Type C Pipe Tablet
by Using Switch Holder

No. 4180 Fitting, with Cover

Type FH Outlet Hood,
with Cover, on Type A Pipe Tablet

No. 5297 Tap Block



No. 5297 Tap Block, in Pipe Tablet

PIPE TABLET TAP BLOCKS

These tap blocks fasten branch or tap wires, to main wires without soldering or taping and greatly decrease the time required for making connections. The main, branch and tap wires are bared and fastened to the contact screws of the tap block. Porcelain covers are furnished with Nos. 5254 and 5256.

Branch or Socket Tap Blocks

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs.	Price Each
054461	5297	Tap block only.....	100	30	\$0.17

Branch Tap Blocks

054462	5256	Tap block and cover..	100	36	.25
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Pipe Tablet to Wood Molding Connectors

054463	5254	Tap block and cover..	100	36	.25
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SWITCH HOLDERS

By using these switch holders, stock snap switches and other round base devices may be fastened on the standard pipe tablets that are regularly carried in stock.

All sizes fit both $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe tablets.

Trade No.	Mfrs. No.	Size of Switch Amperes	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
074876	5263	5	200	73	\$0.20
074877	5264	10	200	72	.20
074878	5268	20	100	40	.28

TYPE F FITTINGS

A loose coupling fastens this fitting to the pipe without the head of the fitting being turned. For this reason the wires can be pulled through the pipe before the fitting is put on. Use the regular pipe tablet covers on these fittings.

Trade No.	Mfrs. No.	Size of Conduit Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
074879	4180	$\frac{1}{2}$	100		\$0.50
074880	4181	$\frac{3}{4}$	100		.70
074881	4182	1	50		1.05
074882	4183	$1\frac{1}{4}$	20		1.75
074883	4184	$1\frac{1}{2}$	10		2.52
093912	4185	2	5		4.52
093913	4186	$2\frac{1}{2}$	5		11.70
093914	4187	3	5		12.70
093915	4188	$3\frac{1}{2}$	5		26.60
093916	4189	4	5		31.60

TYPE FH OUTLET HOODS

These outlet hoods are placed on a Type A pipe tablet to make a complete outlet fitting or Split B. As A types are always carried in stock a few of the FH hoods will give a complete stock of outlet fittings also.

Each size of the FH outlet hoods fits two sizes of Type A pipe tablets. Use the regular pipe tablet covers.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
074889	5267	For $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe tablets..	100	110	\$0.34
074890	5298	For 1 and $1\frac{1}{4}$ -inch pipe tablets..	20	80	.62
093917	5225	For $1\frac{1}{2}$ and 2-inch pipe tablets..	5	....	1.72
093918	5226	For $2\frac{1}{2}$ and 3-inch pipe tablets..	5	....	6.75
093919	5227	For $3\frac{1}{2}$ and 4-inch pipe tablets..	5	....	16.20

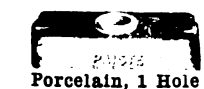
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE PIPE TAPLET COVERS

FOR ALL TYPES OF PIPE TAPLETS

Owing to the grouping of pipe taplets by having one size of wiring opening for two sizes of fittings, only five sizes of covers are necessary for the ten sizes of pipe taplets.

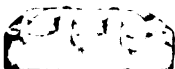
COVERS INTERCHANGEABLE ON 1/2 AND 3/4-INCH PIPE TAPLETS



Porcelain, 1 Hole



Porcelain, 2 Holes



Porcelain, 6 Holes



Porcelain,
1 Large Hole



Porcelain,
3 Large Holes



For Weatherproof
Socket



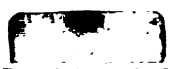
Metal Cover



Metal, 1/8-inch
Male Nipple



Porcelain, 1/8-inch
Male Nipple



Porcelain, 1/8-inch
Female Nipple



Porcelain, 3/8-inch
Male Nipple



Porcelain, 3/8-inch
Female Nipple



Reducing Cover

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
28501	601	Porcelain, 1 hole	200	50	\$0.10
28502	602	Porcelain, 2 holes	200	50	.10
28503	603	Porcelain, 3 holes	200	50	.10
28504	604	Porcelain, 4 holes	200	50	.10
28505	605	Porcelain, 5 holes	200	50	.10
28506	606	Porcelain, 6 holes	200	50	.10
28507	611	Porcelain, 1 large hole	200	50	.10
28508	612	Porcelain, 2 large holes	200	50	.10
28509	613	Porcelain, 3 large holes	200	50	.10
28510	600	Porcelain, for W. P. socket	200	62	.16
28511	609	Blank metal	200	30	.08
28546	607	Metal, 1/8-inch male nipple	200	..	.20
28547	608	Metal, 1/8-inch female nipple	200	..	.20
28550	656	Metal, 1/4-inch male nipple	200	..	.23
28551	659	Metal, 1/4-inch female nipple	200	..	.23
28512	614	Metal, 3/8-inch male nipple	200	40	.25
28513	615	Metal, 3/8-inch female nipple	200	40	.25
28552	672	Metal, 1/2-inch male nipple	200	..	.30
28553	673	Metal, 1/2-inch female nipple	200	..	.30
28514	616	Porcelain, 1/8-inch male nipple	200	70	.25
28515	617	Porcelain, 1/8-inch female nipple	200	70	.25
28554	673	Porcelain, 1/4-inch male nipple	200	..	.30
28555	677	Porcelain, 1/4-inch female nipple	200	..	.30
28516	618	Porcelain, 3/8-inch male nipple	200	70	.35
28517	619	Porcelain, 3/8-inch female nipple	200	70	.35
124662	678	Porcelain, 1/2-inch male nipple	200	..	.40
124663	679	Porcelain, 1/2-inch female nipple	200	..	.40
28518	610	Rubber gasket	200	10	.10

COVERS INTERCHANGEABLE ON 1 AND 1 1/4-INCH PIPE TAPLETS

28519	620	Porcelain, 1 hole (special)	50	..	.25
28520	621	Porcelain, 1 hole	50	..	.25
28521	622	Porcelain, 2 holes	50	..	.25
28522	623	Porcelain, 3 holes	50	..	.25
28523	624	Porcelain, 4 holes	50	..	.25
28524	625	Porcelain, 5 holes	50	..	.25
28525	626	Porcelain, 6 holes	50	..	.25
28526	627	Porcelain, 7 holes	50	..	.25
28527	628	Porcelain, 8 holes	50	..	.25
28528	629	Blank metal	50	..	.23
28548	637	Metal, 1/8-inch male nipple	50	..	.35
28549	638	Metal, 1/8-inch female nipple	50	..	.35
28530	634	Metal, 3/8-inch male nipple	50	..	.40
28531	635	Metal, 3/8-inch female nipple	50	..	.40
28532	630	Rubber gasket	50	..	.15

REDUCING COVERS FOR 1 AND 1 1/4-INCH PIPE TAPLETS

By using this cover any of the rosettes, sockets, receptacles, switches and other devices used on 1/2 and 3/4-inch sizes of pipe taplets can be used on 1 and 1 1/4-inch sizes also.

Trade No.	Mfrs. No.	Std. Pkg.	Price Each
28529	631	50	\$0.25

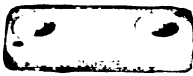
*Pipe taplet covers of the same size may be assorted to make up a standard package regardless of the style.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE PIPE TAPLET COVERS

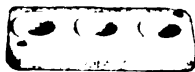
FOR ALL TYPES OF PIPE TAPLETS

Owing to the grouping of pipe taplets by having one size of wiring opening for two sizes of fittings, only five sizes of covers are necessary for the ten sizes of pipe taplets.

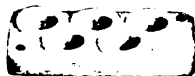


No. 642

COVERS INTERCHANGEABLE ON 1½ AND 2-INCH PIPE TAPLETS



No. 643



No. 645



No. 647



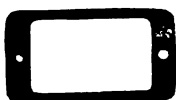
No. 649



No. 654



No. 655



Rubber Gasket

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
28533	640	Porcelain, one-hole (special)	10	\$0.48
28534	641	Porcelain, one-hole	10	.48
28535	642	Porcelain, two-hole	10	.48
28536	643	Porcelain, three-hole	10	.48
28537	644	Porcelain, four-hole	10	.48
28538	645	Porcelain, five-hole	10	.48
28539	646	Porcelain, six-hole	10	.48
28540	647	Porcelain, seven-hole	10	.48
28541	648	Porcelain, eight-hole	10	.48
28542	649	Blank metal	10	.45
28543	654	Metal, ⅜-inch male nipple	10	.63
28544	655	Metal, ⅜-inch female nipple	10	.63
28545	650	Rubber gasket	10	.25

COVERS INTERCHANGEABLE ON 2½ AND 3-INCH PIPE TAPLETS

63716	660	Porcelain, one-hole (special)	5	.80
63717	661	Porcelain, one-hole (regular)	5	.80
63718	662	Porcelain, two-hole	5	.80
63719	663	Porcelain, three-hole	5	.80
63720	664	Porcelain, four-hole	5	.80
63721	665	Porcelain, five-hole	5	.80
63722	666	Porcelain, six-hole	5	.80
63723	667	Porcelain, seven-hole	5	.80
63724	668	Porcelain, eight-hole	5	.80
63725	669	Blank metal	5	.75
63726	674	Metal, ⅜-inch male nipple	5	.95
63727	675	Metal, ⅜-inch female nipple	5	.95
63728	670	Rubber gasket	5	.40

COVERS INTERCHANGEABLE ON 3½ AND 4-INCH PIPE TAPLETS

63729	680	Porcelain, one-hole (special)	5	.90
63730	681	Porcelain, one-hole (regular)	5	.90
63731	682	Porcelain, two-hole	5	.90
63732	683	Porcelain, three-hole	5	.90
63733	684	Porcelain, four-hole	5	.90
63734	685	Porcelain, five-hole	5	.90
63735	686	Porcelain, six-hole	5	.90
63736	687	Porcelain, seven-hole	5	.90
63737	688	Porcelain, eight-hole	5	.90
63738	689	Blank metal	5	.80
63739	694	Metal, ⅜-inch male nipple	5	1.05
63740	695	Metal, ⅜-inch female nipple	5	1.05
63741	690	Rubber gasket	5	.50

*Pipe taplet covers of the same size may be assorted to make up a standard package regardless of the style.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE PIPE TAPLETS
NATIONAL ELECTRICAL CODE STANDARD
ROUND OPENING PIPE TAPLETS



Type G, No. 4310



Type H, No. 4321



Type GA, No. 4313



Type GT, No. 4324



Type GL, No. 4318



Type HA, No. 4322



Type HLA, No. 4329

Round Pipe Taplet
with Conduit Receptacle

Trade No.	Mfrs. No.	Type	With Switch Ring and Bar			Std. Pkg.	Price Each
			Size of Pipe Inches	Size Body Form	Carton		
63776	4310	G	1/2	5	10	100	\$0.55
124706	4244	G	3/4	5	10	50	.65
63777	4320	G	1/2	10	10	75	.65
63778	4330	G	3/4	10	5	25	.80
63779	4340	G	1	10	5	25	1.00
121851	4382	G	1/2	20	5	50	.90
121852	4383	G	3/4	20	5	25	.95
121853	4384	G	1	20	5	25	1.20
63780	4311	H	1/2	5	10	100	.45
124707	4245	H	3/4	5	10	50	.55
63781	4321	H	1/2	10	10	75	.55
63782	4331	H	3/4	10	5	25	.70
63783	4341	H	1	10	5	25	.90
121854	4210	H	1/2	20	5	50	.80
121855	4211	H	3/4	20	5	25	.85
121856	4212	H	1	20	5	25	1.10
116369	4313	GA	1/2	5	10	100	.75
124708	4246	GA	3/4	5	10	50	.85
116370	4323	GA	1/2	10	5	75	.85
116371	4333	GA	3/4	10	5	25	1.00
121857	3973	GA	1	10	5	25	1.20
121858	4385	GA	1/2	20	5	50	1.10
121859	4386	GA	3/4	20	5	25	1.20
121860	4387	GA	1	20	5	25	1.50
63784	4314	GT	1/2	5	10	100	.75
124709	4248	GT	3/4	5	10	50	.85
63785	4324	GT	1/2	10	10	75	.85
63786	4334	GT	3/4	10	5	25	1.00
63787	4344	GT	1	10	5	25	1.20
121861	4391	GT	1/2	20	5	50	1.10
121862	4392	GT	3/4	20	5	25	1.20
121863	4393	GT	1	20	5	25	1.50
116372	4318	GL	1/2	5	10	100	.60
124710	4247	GL	3/4	5	10	50	.70
116373	4328	GL	1/2	10	5	75	.70
116374	4338	GL	3/4	10	5	25	.85
121864	3978	GL	1	10	5	25	1.05
121865	4388	GL	1/2	20	5	50	.95
121866	4389	GL	3/4	20	5	25	1.05
121867	4390	GL	1	20	5	25	1.35
116375	4312	HA	1/2	5	10	100	.50
124711	4249	HA	3/4	5	10	50	.60
116366	4322	HA	1/2	10	5	75	.60
116376	4332	HA	3/4	10	5	25	.75
121868	3972	HA	1	10	5	25	.95
121869	4213	HA	1/2	20	5	50	.85
121870	4214	HA	3/4	20	5	25	.90
121871	4221	HA	1	20	5	25	1.20
116377	4319	HLA	1/2	5	10	100	.60
124712	4267	HLA	3/4	5	10	50	.70
116367	4329	HLA	1/2	10	5	75	.70
116378	4339	HLA	3/4	10	5	25	.85
121872	3982	HLA	1	10	5	25	1.05
121873	4222	HLA	1/2	20	5	50	.95
121874	4223	HLA	3/4	20	5	25	1.05
121875	4224	HLA	1	20	5	25	1.35

Form 5 are 2 5/8 in. in diam. holding screws spaced 1 5/8 to 1 3/4 in.; Form 10, 3 in. in diam., holding screws spaced 1 1/2 to 2 in.; Form 20, 3 3/4 in. in diam., holding screws spaced 1 5/8 to 2 3/4 in.

When Forms 10 or 20 are desired without switch ring, for use with covers, conduit receptacles, weatherproof switch hoods or vapor proof globes, deduct 5 cents for Form 10, and 20 cents for Form 20.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE PIPE TABLETS NATIONAL ELECTRICAL CODE STANDARD

ROUND OPENING PIPE TABLETS With Switch Ring and Bar

Trade No.	Mfrs. No.	Type	Size of Pipe Inches	Size Body Form	Carton	Std. Pkg.	Price Each
116379	3913	HH	1/2	5	10	100	\$0.55
121884	4277	HH	3/4	5	10	50	.65
116368	3923	HH	1/2	10	5	75	.65
121876	3933	HH	3/4	10	5	25	.80
121877	3943	HH	1	10	5	25	1.00
121885	4295	HH	1/2	20	5	50	.90
121886	4296	HH	3/4	20	5	25	.95
121887	4297	HH	1	20	5	25	1.20
121888	3983	GX	1/2	5	10	100	.90
121889	3984	GX	3/4	5	10	50	1.00
121878	3979	GX	1/2	10	5	75	1.00
121879	3980	GX	3/4	10	5	25	1.15
121880	3981	GX	1	10	5	25	1.45
121881	4394	GX	1/2	20	5	50	1.25
121882	4395	GX	3/4	20	5	25	1.40
121883	4396	GX	1	20	5	25	1.80

ROUND OPENING PIPE TABLETS IN GANGS Form 10 Openings with Switch Ring and Bar

Use these gang types wherever two or more switches and receptacles are required at the same place. They are much easier and quicker to install and wire, and better looking than single fittings strung in line.

Trade No.	Mfrs. No.	Type	No. of Gangs	Size of Pipe Inches	Std. Pkg.	Price Each
121890	4354	Type GGC	2	1/2	75	\$1.30
121891	4355		2	3/4	50	1.60
121892	4356		3	1/2	50	1.95
121893	4357		3	3/4	25	2.40
124676	4365	Type GGE	2	1/2	75	1.20
124677	4366		2	3/4	50	1.50
124678	4367		3	1/2	50	1.85
124679	4368		3	3/4	25	2.30
63797	4343	Type GG	2	1/2	75	1.30
63798	4345		2	3/4	50	1.60
63799	4346		2	1	25	2.00
124680	4342		3	1/2	75	1.65
63700	4348		3	3/4	50	1.95
63701	4349		3	1	25	2.40
124681	4347		4	3/4	40	2.20
63702	4352		4	1	25	2.60
63703	4353		4	1 1/4	10	3.20
124682	4350	Type GGH	2	1/2	75	1.20
124683	4351		2	3/4	50	1.50
124684	4360		2	1	25	1.90
124685	4359		3	1/2	75	1.50
124686	4361		3	3/4	50	1.85
124687	4363		3	1	25	2.30
124688	4362		3	1 1/4	20	2.60
124689	4369		4	3/4	40	2.05
124690	4335		4	1	25	2.50
124691	4336		4	1 1/4	20	2.80
124692	4364		4	1 1/2	10	3.20

Form 5 are 2 5/8 in. in diam., holding screws spaced 1 5/8 to 1 3/4 inches; Form 10, 3 in. in diam., holding screws spaced 1 1/2 to 2 inches; Form 20, 3 3/4 in. in diam., holding screws spaced 1 5/8 to 2 3/4 inches.

When Forms 10 or 20 fittings are desired without switch ring and bar, deduct 5 cents per gang from above prices for Form 10, and 20 cents for Form 20.



Type HH, No. 3923



Type GX, No. 3979



Type GGC



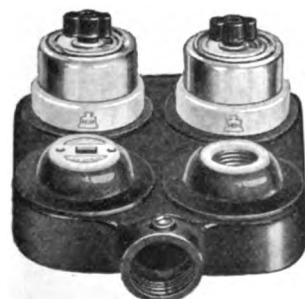
Type GGE



Type GG, No. 4343



Type GGH, No. 4350



Type GGH, with Devices Mounted

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE PIPE TAPLET COVERS

FOR ROUND OPENING PIPE TAPLETS

NATIONAL ELECTRICAL CODE STANDARD



1-hole Cover



2-hole Cover



3-hole Cover



4-hole Cover



No. 1605



No. 1610



No. 1617



No. 1618



No. 1600



No. 652



No. 653



Switch Ring and Bar



Receptacle Cover and Holder



No. 1445



No. 4257

COVERS FOR FORMS 5 AND 10 PIPE TAPLETS

Porcelain Covers with Wire Holes

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
124723	1601	One hole	100	\$0.10
124724	1602	Two holes	100	.10
124725	1603	Three holes	100	.10
124726	1604	Four holes	100	.10

Porcelain Covers with Nipples

124727	1605	1/8-inch male nipple	100	.25
124728	1606	1/8-inch female nipple	100	.25
124729	1607	1/4-inch male nipple	100	.30
124730	1608	1/4-inch female nipple	100	.30
124731	1609	3/8-inch male nipple	100	.35
124732	1610	3/8-inch female nipple	100	.35
124733	1611	1/2-inch male nipple	100	.40
124734	1612	1/2-inch female nipple	100	.40

Metal Covers with Nipples

124735	1613	1/8-inch male nipple	100	.20
124736	1614	1/8-inch female nipple	100	.20
124737	1615	1/4-inch male nipple	100	.23
124738	1616	1/4-inch female nipple	100	.23
124739	1617	3/8-inch male nipple	100	.25
124740	1618	3/8-inch female nipple	100	.25
124741	1619	1/2-inch male nipple	100	.30
124742	1620	1/2-inch female nipple	100	.30

BLANK METAL COVERS

124743	1600	For Forms 5 and 10 pipe taplets	100	.08
124744	1622	For Form 20 pipe taplets	50	.23

RUBBER GASKETS

124751	632	For Forms 5 pipe taplets	100	.10
63708	652	For Forms 10 pipe taplets	100	.10
124745	653	For Form 20 pipe taplets	75	.15

SWITCH RINGS AND BARS

63709	671	For Form 10 pipe taplets	100	.05
124746	691	For Form 20 pipe taplets	50	.20

RECEPTACLE COVERS AND HOLDERS

63707	651	For Form 10 pipe taplets	100	.10
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PLUG RECEPTACLES

124747	1445	Without plug	50	.25
124748	1444	With plug	50	.40

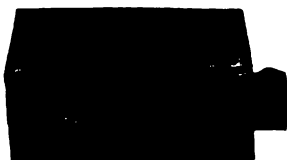
LAMP RECEPTACLES

124749	4257	Plain top	100	.25
124750	4258	For standard shade holder	100	.35

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE PIPE TABLETS

NATIONAL ELECTRICAL CODE STANDARD



Type FS, No. 4375

PIPE TABLETS FOR FLUSH SWITCHES
AND RECEPTACLES

Standard switch and receptacle plates exactly fit these pipe tablets so that no special covers are required for them.



Type F8C, No. 4370

Type FS

Trade No.	Mfrs. No.	No. of Gangs	Size of Pipe Inches	Std. Pkg.	Price Each
63710	4375	1	1/2	75	\$0.65
63711	4376	1	3/4	50	.75
116354	4379	2	1/2	50	1.20
116355	4380	2	3/4	25	1.30
63712	4377	2	1	15	1.40
116356	4337	3	1/2	35	1.70
116357	4381	3	3/4	20	1.80
124816	4327	3	1	10	1.95
63713	4378	3	1 1/4	10	2.05

Type F8C

63714	4370	1	1/2	75	.75
63715	4371	1	3/4	50	.90
116353	4374	2	1/2	50	1.30
116351	4372	2	3/4	25	1.40
116358	4397	2	1	15	1.55
116359	4398	3	1/2	35	1.80
116360	4399	3	3/4	20	1.90
116352	4373	3	1	10	2.05



Type AR, No. 4406

TYPE AR TABLETS WITH BUSHINGS

When the bushings are removed, these types are used as couplings. The smaller end fits the size of pipe under which the fitting is listed; the larger end fits the next larger size of pipe.

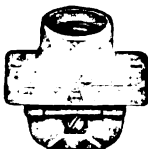
Casting only
No. 4491Bushing
No. 4447

Size of Pipe Inches	Std. Pkg.	Complete Fitting			Fitting without Bushing			Bushing only		
		Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
1/2	100	116361	4406	\$0.25	124796	4491	\$0.15	124806	4447	\$0.10
3/4	75	116362	4407	.35	124797	4492	.20	124807	4448	.15
1	50	116363	4408	.50	124798	4493	.30	124808	4449	.20
1 1/4	40	124789	4409	.65	124799	4494	.40	124809	4452	.25
1 1/2	20	124790	4411	.90	124800	4495	.60	124810	4453	.30
2	15	124791	4413	1.20	124801	4496	.80	124811	4486	.40
2 1/2	10	124792	4414	1.65	124802	4497	1.05	124812	4487	.60
3	5	124793	4417	4.00	124803	4498	3.20	124813	4488	.80
3 1/2	5	124794	4418	5.00	124804	4499	4.00	124814	4489	1.00
4	5	124795	4419	7.00	124805	4500	6.00	124815	4490	1.00

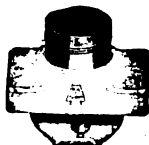
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE PIPE TABLET FITTINGS

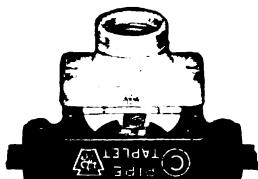
WEATHERPROOF RECEPTACLES, SOCKETS AND PULL SWITCHES TO FIT PIPE TABLETS



No. 4251 Receptacle



No. 4253 Receptacle

No. 4256 Receptacle
on Pipe TabletNo. 4257 Receptacle
in Pipe Tablet

No. 4258 Receptacle



No. 1445 Receptacle



Part 50



Part 56



Part 57



Part 8



Part O



No. PP-41 Socket

WEATHERPROOF WIRELESS RECEPTACLES*

These are very easily connected weatherproof receptacles. The main wires fasten directly to the conveniently placed contacts of the base. The connection can be made with the least slack in the wires.

They are excellent for all outdoor work and are especially valuable on outline and other work where a number are required, because of the saving in time of wiring.

They fit both $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe tablets. For weatherproof work, use pipe tablet gasket No. 610.

Trade No.	Mfrs. No.	Description	Schedule	Carton	Std. Pkg.	Price Each
37258	4251	Plain top.....	B	10	50	\$0.30
37260	4253	For Uno Shade Holder.....	B	10	50	.40
37262	4256	For W. P. Shade Holder.....	B	10	50	.35

CONDUIT LAMP RECEPTACLES

These are used with any Form 10 round opening pipe tablets by removing the switch ring. They do not have to be taken apart to install or wire. Receptacle cover No. 651 is used; see listing of round pipe tablet covers on another page.

129464	4257	Plain top.....	B	10	100	.25
129465	4258	For W. P. Shade Holder.....	B	10	100	.35

CONDUIT PLUG RECEPTACLES

When these receptacles are used with Form 10 pipe tablets, pipe tablet receptacle cover No. 651 is required.

129466	1445	Receptacle only.....	K	10	50	.25
129467	1444	Receptacle with cap.....	K	10	50	.50

SOCKETS AND SWITCHES WITH PIPE TABLET BASE*

This base fits all $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe tablets and is also used for wooden and metal molding. All types of shells with this style of fastening are interchangeable on this base.

36964	S-50	Key socket.....	B	10	250	.44
36965	S-51	Keyless socket.....	B	10	250	.41
36966	S-52	Pull socket.....	B	10	100	.71
129468	S-56	Pull wall switch.....	J	10	20	.71
129469	S-57	Pull switch rosette.....	J	10	20	.71

SOCKETS AND SWITCHES WITH ROUND PIPE TABLET BASE

This base fits all Form 10 round opening pipe tablets. Remove switch ring and bar.

119865	O-50	Key socket.....	B	10	100	.56
119866	O-51	Keyless socket.....	B	10	100	.53
119867	O-52	Pull socket.....	B	10	50	.83
129470	O-56	Pull wall switch.....	J	10	20	.83
129471	O-57	Pull switch rosette.....	J	10	20	.83

CONCEALED BASE PORCELAIN SOCKETS

Key, keyless and pull shells are interchangeable on this concealed base, which is used on either Form 5 or Form 10 round opening pipe tablets.

119982	PP-40	Key socket.....	B	10	100	.35
119983	PP-41	Keyless socket.....	B	10	100	.30
119984	PP-42	Pull socket.....	B	10	50	.85

*These sockets, receptacles and switches can be used also on 1 and $\frac{1}{4}$ -inch pipe tablets by using pipe tablet reducing cover No. 631.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE PIPE TAPLET FITTINGS

RECEPTACLES AND ROSETTES



No. 50724



No. 50725



No. 50726



No. 50721



No. 50722

Receptacle Base
on Pipe Taplet

No. 435



No. 436



No. 439

FIELDING RECEPTACLES

Fielding receptacles fit both $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe taplets and are very easy to wire. The main wires fasten directly to the conveniently located contacts of the base. No soldering or taping is required. The same receptacles are used on wooden molding or on National Metal Molding by using the Paiste adapter, so that one stock fills the requirements for three kinds of work.

Trade No.	Mfrs. No.	Description	Schedule	Carton	Std. Pkg.	Price Each
083863	50724	Plain top.....	B	10	250	\$0.25
37301	50725	For Uno shade holder.....	B	10	250	.35
083864	50726	For W. P. shade holder.....	B	10	250	.30

30 Degree Angle Type

37302	50721	Plain top.....	B	10	250	.30
37303	50722	For Uno shade holder.....	B	10	250	.40

FIELDING ROSETTES

Fielding rosettes fit both $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe taplets and are wired in the same easy way as Fielding receptacles. They are used also on metal and wooden molding.

06671	435	Pendent cap.....	J	10	250	.20
06672	436	With $\frac{1}{8}$ -inch female nipple..	J	10	100	.30
06673	439	With $\frac{1}{8}$ -inch male nipple...	J	10	100	.30

FUMEPROOF AND WEATHERPROOF RECEPTACLES

Used for any weatherproof work but especially desirable where tap wires and connections must be proof against acid deterioration. They fit both $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe taplets

50357	5293	For W. P. shade holder.....	B	10	250	.30
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TRI-USE PLUG RECEPTACLES

These are very neat looking plug receptacles for both $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe taplets, which are wired in the same easy way as the Fieldings and are used also for wooden and metal molding. Standard plug caps fit these receptacles.

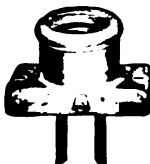
129448	1476	Receptacle only.....	K	10	50	.35
129449	1401	Composition cap.....	K	10	50	.15

PIPE TAPLET FLUSH PLUG RECEPTACLES

These are the best looking plug receptacles used on conduit work. Only the porcelain cover is outside of the pipe taplet. The main wires fasten directly to the contact of the base. Standard plug caps fit these receptacles. They fit both $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe taplets.

129450	1477	Receptacle only.....	K	10	50	.27
129451	1401	Composition cap.....	K	10	50	.15

All of the above fittings can be used also on 1 and $1\frac{1}{4}$ -inch pipe taplets by using pipe taplet reducing cover No. 631.



No. 5293



No. 1476



No. 1477

No. 1477 in
Pipe Taplet

No. 1401

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

RECTANGULAR STEEL UNILETS



Type No. 0



Type No. 1



Type No. 2



Type No. 5-R



Type No. 5-L

TYPE No. 0 UNILET BODIES

Trade No.	Mfrs. No.	For Conduit Size, Inches	Std. Pkg.	Unit Pkg.	Wt., Lbs. Std. Pkg.	Price Each
062252	9000	1½	200	10	75	\$0.24
062253	9020	¾	100	10	55	.31
062254	9040	1	50	5	40	.43
062255	9060	1¼	20	1	25	.62
062256	9080	1½	10	1	15	.80
062257	9100	2	5	1	12	1.66
43641	9120	2½	5	1	25	4.95
43642	9140	3	5	1	27	5.45
43651	9160	3½	5	1	56	10.40
43652	9180	4	5	1	57	11.70

TYPE No. 1 UNILET BODIES

062258	9001	1½	200	10	75	.29
062259	9021	¾	100	10	55	.35
062260	9041	1	50	5	40	.50
062261	9061	1¼	20	1	25	.80
062262	9081	1½	10	1	15	1.04
062263	9101	2	5	1	12	2.14
43643	9121	2½	5	1	25	5.35
43644	9141	3	5	1	27	5.85
43653	9161	3½	5	1	56	11.35
43654	9181	4	5	1	57	12.70

TYPE No. 2 UNILET BODIES

062264	9002	1½	200	10	90	.36
062265	9022	¾	100	10	65	.41
062266	9042	1	50	5	45	.59
062267	9062	1¼	20	1	30	.94
062268	9082	1½	10	1	17	1.22
062269	9102	2	5	1	15	2.43
43645	9122	2½	5	1	30	6.25
43646	9142	3	5	1	32	7.40
43655	9162	3½	5	1	69	16.70
43656	9182	4	5	1	70	18.30

TYPE No. 5-R UNILET BODIES

062270	9005-R	1½	200	10	90	.40
062271	9025-R	¾	100	10	65	.45
062272	9045-R	1	50	5	45	.65
062273	9065-R	1¼	20	1	30	1.04
062274	9085-R	1½	10	1	17	1.37
062275	9105-R	2	5	1	15	2.65
43647	9125-R	2½	5	1	30	6.55
43648	9145-R	3	5	1	32	7.70
43657	9165-R	3½	5	1	69	17.10
43658	9185-R	4	5	1	70	19.10

TYPE No. 5-L UNILET BODIES

062276	9005-L	1½	200	10	90	.40
062277	9025-L	¾	100	10	65	.45
062278	9045-L	1	50	5	45	.65
062279	9065-L	1¼	20	1	30	1.04
062280	9085-L	1½	10	1	17	1.37
062281	9105-L	2	5	1	15	2.65
43649	9125-L	2½	5	1	30	6.55
43650	9145-L	3	5	1	32	7.70
43659	9165-L	3½	5	1	69	17.10
43660	9185-L	4	5	1	70	19.10

See one of the following pages for dimensions.

Rectangular covers, receptacles, rosettes, etc., of same size are interchangeable on above Unilet bodies of corresponding size.

FINISHES.—Black enameled is the standard finish for Unilet bodies and will be furnished unless another finish is specified. Unilet bodies with sherardized finish will be furnished at the same price as black enameled.

Black enameled and sherardized Unilet bodies of the same type and size may be assorted to make up a standard package. No other assortment will be allowed.

Rectangular covers, receptacles, rosettes, etc., are listed on following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

RECTANGULAR STEEL UNILETS



TYPE No. 3 UNILET BODIES

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Trade No.	Mfrs. No.	FOR CONDUIT SIZE, INCHES			Std. Pkg.	Unit Pkg.	Wt., Lbs. Std. Pkg.	Price Each
		A	B	C				
060701	9003	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	100	10	75	\$0.48
060705	9023	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	75	10	55	.57
060710	9043	1	1	1	50	5	50	.80
060718	9063	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$	20	1	35	1.22
13632	9083	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	10	1	20	1.69
13634	9103	2	2	2	5	1	$17\frac{1}{2}$	2.55
13665	9123	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}$	5	1	35	7.45
13666	9143	3	3	3	5	1	$37\frac{1}{2}$	8.15
113491	9163	$3\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$	5	1	82	22.60
113492	9183	4	4	4	5	1	83	24.60
060702	33000	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	100	5	70	.56
060703	33001	$\frac{1}{2}$	1	$\frac{1}{2}$	100	5	85	.63
060704	33002	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	75	5	50	.57
060706	33003	$\frac{3}{4}$	1	$\frac{3}{4}$	75	5	50	.65
060707	33006	$\frac{3}{4}$	$1\frac{1}{4}$	$\frac{3}{4}$	75	1	45	.77
060708	33004	1	$\frac{1}{2}$	1	50	5	45	.80
060709	33005	1	$\frac{3}{4}$	1	50	5	50	.80
060711	33007	1	$1\frac{1}{4}$	1	50	1	50	.97
060713	33008	1	$1\frac{1}{2}$	1	50	1	55	1.15
060714	33009	1	2	1	10	1	30	1.45
060715	33012	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{4}$	20	1	35	1.22
060716	33013	$1\frac{1}{4}$	$\frac{3}{4}$	$1\frac{1}{4}$	20	1	35	1.22
060717	33014	$1\frac{1}{4}$	1	$1\frac{1}{4}$	20	1	35	1.22
060720	33019	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{4}$	10	1	30	1.50
060721	33010	$1\frac{1}{4}$	2	$1\frac{1}{4}$	10	1	35	1.96
060722	33015	$1\frac{1}{2}$	$\frac{1}{2}$	$1\frac{1}{2}$	10	1	30	1.69
060724	33016	$1\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{2}$	10	1	30	1.69
13630	33017	$1\frac{1}{2}$	1	$1\frac{1}{2}$	10	1	35	1.69
13631	33018	$1\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{1}{2}$	10	1	35	1.69
13633	33011	$1\frac{1}{2}$	2	$1\frac{1}{2}$	10	1	40	2.52
13668	33025	2	$\frac{1}{2}$	2	5	1	20	2.55
13669	33026	2	$\frac{3}{4}$	2	5	1	20	2.55
13670	33027	2	1	2	5	1	17	2.55
13671	33028	2	$1\frac{1}{4}$	2	5	1	17	2.55
13672	33029	2	$1\frac{1}{2}$	2	5	1	17	2.55
13673	33030	$2\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{2}$	5	1	34	7.45
13674	33031	$2\frac{1}{2}$	2	$2\frac{1}{2}$	5	1	35	7.45
13627	33032	3	2	3	5	1	37	8.15
113493	33033	3	$2\frac{1}{2}$	3	5	1	$37\frac{1}{2}$	8.15
113494	34034	$3\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2}$	5	1	82	22.60
113495	33035	$3\frac{1}{2}$	3	$3\frac{1}{2}$	5	1	82	22.60
113496	33036	4	3	4	5	1	83	24.60
113497	33037	4	$3\frac{1}{2}$	4	5	1	83	24.60

See one of the following pages for dimensions.

Rectangular cover, receptacles, rosettes, etc., of same size are interchangeable on above Unilet bodies of corresponding size.

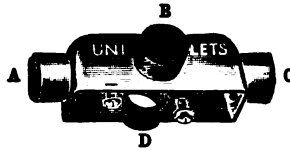
FINISHES. Black enameled is the standard finish for Unilet bodies and will be furnished unless another finish is specified. Unilet bodies with sherardized finish will be furnished at the same price as black enameled.

Black enameled and sherardized Unilet bodies of the same type and size may be assorted to make up a standard package. No other assortment will be allowed.

Rectangular covers, receptacles, rosettes, etc., are listed on following pages.

NOTE.—Always order covers the size of the largest conduit opening. For instance on No. 33000, any $\frac{3}{4}$ -inch size cover should be used.

RECTANGULAR STEEL UNILETS



TYPE No. 4 UNILET BODIES

Trade No.	Mfrs. No.	FOR CONDUIT SIZE, INCHES				Std. Pkg.	Unit Pkg.	Wt., Lbs. Std. Pkg.	Price Each
		A	B	C	D				
13635	9004	1 1/2	1 1/2	1 1/2	1 1/2	75	10	85	\$0.60
13639	9024	3/4	3/4	3/4	3/4	50	5	65	.77
13645	9044	1	1	1	1	35	5	55	1.05
13653	9064	1 1/4	1 1/4	1 1/4	1 1/4	20	1	40	1.24
13663	9084	1 1/2	1 1/2	1 1/2	1 1/2	10	1	25	1.78
13664	9104	2	2	2	2	5	1	20	2.85
43661	9124	2 1/2	2 1/2	2 1/2	2 1/2	5	1	40	8.95
43662	9144	3	3	3	3	5	1	45	9.95
43675	9164	3 1/2	3 1/2	3 1/2	3 1/2	5	1	95	25.00
43676	9184	4	4	4	4	5	1	96	27.00
13636	34000	3/4	1 1/2	1 1/2	1 1/2	50	5	60	.77
13637	34001	3/4	1 1/2	3/4	1 1/2	50	5	60	.77
13638	34002	3/4	3/4	3/4	1 1/2	50	5	60	.77
13640	34003	1	1 1/2	3/4	1 1/2	35	5	50	1.05
13642	34004	1	3/4	3/4	3/4	35	5	50	1.05
13641	34005	1	1 1/2	1	1 1/2	35	5	50	1.05
13644	34006	1	3/4	1	3/4	35	5	50	1.05
13643	34007	1	3/4	1	1 1/2	35	5	50	1.05
13647	34012	1 1/4	1 1/2	1 1/4	1 1/2	20	1	35	1.24
13646	34008	1 1/4	1 1/2	1	1 1/2	20	1	35	1.24
13648	34009	1 1/4	3/4	3/4	3/4	20	1	35	1.24
13649	34010	1 1/4	3/4	1	3/4	20	1	35	1.24
13650	34013	1 1/4	3/4	1 1/4	3/4	20	1	35	1.24
13651	34011	1 1/4	1	1	1	20	1	35	1.24
13652	34014	1 1/4	1	1 1/4	1	20	1	35	1.24
13654	34015	1 1/2	1 1/2	1 1/4	1 1/2	10	1	20	1.78
13657	34016	1 1/2	3/4	1 1/4	3/4	10	1	20	1.78
13656	34017	1 1/2	3/4	1 1/4	1 1/2	10	1	20	1.78
13660	34018	1 1/2	1	1 1/4	3/4	10	1	20	1.78
13655	34019	1 1/2	1 1/2	1 1/2	1 1/2	10	1	20	1.78
13658	34020	1 1/2	3/4	1 1/2	3/4	10	1	20	1.78
13661	34021	1 1/2	1	1 1/4	1	10	1	20	1.78
13662	34022	1 1/2	1	1 1/2	1	10	1	20	1.78
13659	34023	1 1/2	1	1	1	10	1	20	1.78
43663	34024	2	1 1/2	1 1/2	1 1/2	5	1	20	2.85
43664	34025	2	3/4	1 1/2	3/4	5	1	20	2.85
43665	34026	2	1	1 1/2	1	5	1	20	2.85
43666	34027	2	1	2	1	5	1	20	2.85
43667	34028	2 1/2	1	1 1/2	1	5	1	35	8.95
43668	34029	2 1/2	1 1/2	1 1/2	1 1/2	5	1	35	8.95
43669	34030	2 1/2	1 1/2	2 1/2	1 1/2	5	1	37	8.95
43670	34031	3	1 1/2	2	1 1/2	5	1	40	9.95
43671	34032	3	2	2 1/2	2	5	1	42	9.95
43672	34033	3 1/2	2	2 1/2	2	5	1	95	25.00
43673	34034	3 1/2	2	3	2	5	1	95	25.00
43674	34035	4	2 1/2	3	2 1/2	5	1	96	27.00

See one of the following pages for dimensions.

Rectangular covers, receptacles, rosettes, etc., of same size are interchangeable on above Unilet bodies of corresponding size.

Finishes: Black enameled is the standard finish for Unilet bodies and will be furnished unless another finish is specified. Unilet bodies with sherardized finish will be furnished at the same price as black enameled.

Black enameled and sherardized Unilet bodies of the same type and size may be assorted to make up a standard package. No other assortment will be allowed.

Rectangular covers, receptacles, rosettes, etc., are listed on following pages.

NOTE.—Always order covers the size of the largest conduit opening.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

RECTANGULAR STEEL UNILETS



Type No. 6

TYPE No. 6 UNILET BODIES

Trade No.	Mfrs. No.	For Conduit Size, Inches	Std. Pkg.	Unit Pkg.	Wt., Lbs. Std. Pkg.	Price Each
13589	9006	$\frac{1}{2}$	200	10	75	\$0.29
13590	9026	$\frac{3}{4}$	100	5	55	.36
13591	9046	1	50	5	40	.50
13592	9066	$1\frac{1}{4}$	20	1	25	.80
13593	9086	$1\frac{1}{2}$	10	1	15	1.04
13594	9106	2	5	1	12	2.14
13619	9126	$2\frac{1}{2}$	5	1	25	5.35
13620	9146	3	5	1	27	5.85
113509	9166	$3\frac{1}{2}$	5	1	56	11.35
113510	9186	4	5	1	57	12.70



Type No. 7

TYPE No. 7 UNILET BODIES

13595	9007	$\frac{1}{2}$	200	10	90	.34
13596	9027	$\frac{3}{4}$	100	5	65	.41
13597	9047	1	50	5	45	.57
13598	9067	$1\frac{1}{4}$	20	1	30	.94
13599	9087	$1\frac{1}{2}$	10	1	17	1.22
13600	9107	2	5	1	15	2.43
13621	9127	$2\frac{1}{2}$	5	1	30	6.25
13622	9147	3	5	1	32	7.40
113511	9167	$3\frac{1}{2}$	5	1	69	16.70
113512	9187	4	5	1	70	18.30



Type No. 8

TYPE No. 8 UNILET BODIES

13601	9008	$\frac{1}{2}$	200	10	90	.40
13602	9028	$\frac{3}{4}$	100	10	65	.45
13603	9048	1	50	5	45	.65
13604	9068	$1\frac{1}{4}$	20	1	30	1.04
13605	9088	$1\frac{1}{2}$	10	1	17	1.37
13606	9108	2	5	1	15	2.65
13623	9128	$2\frac{1}{2}$	5	1	30	6.55
13624	9148	3	5	1	32	7.70
113513	9168	$3\frac{1}{2}$	5	1	69	17.10
113514	9188	4	5	1	70	19.10

DIMENSIONS

Outside dimensions of all unilet bodies not including hub.

Conduit Inches	Length	Width	Depth	Conduit Inches	Length	Width	Depth
$\frac{1}{2}$	$3\frac{9}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	2	$5\frac{3}{4}$	$3\frac{1}{4}$	3
$\frac{3}{4}$	$3\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{2}$	8	$4\frac{1}{2}$	4
1	4	2	$1\frac{3}{4}$	3	8	$4\frac{1}{2}$	4
$1\frac{1}{4}$	$4\frac{3}{4}$	$2\frac{1}{2}$	$2\frac{1}{4}$	$3\frac{1}{2}$	$11\frac{3}{8}$	$6\frac{1}{8}$	$6\frac{1}{2}$
$1\frac{1}{2}$	$4\frac{3}{4}$	$2\frac{1}{2}$	$2\frac{1}{4}$	4	$11\frac{3}{8}$	$6\frac{1}{8}$	$6\frac{1}{2}$

Rectangular covers, receptacles, rosettes, etc., of same size are interchangeable on above unilet bodies of corresponding size.

Finishes: Black enameled is the standard finish for Unilet bodies and will be furnished unless another finish is specified. Unilet bodies with sherardized finish will be furnished at the same price as black enameled.

Black enameled and sherardized Unilet bodies of the same type and size may be assorted to make up a standard package. No other assortment will be allowed.

Rectangular covers, receptacles, rosettes, etc., are listed on following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

RECTANGULAR STEEL UNILETS

TYPE No. 9-R UNILET BODIES



Type No. 9-R

Trade No.	Mfrs. No.	FOR CONDUIT SIZE, INCHES	A	B	C	Std. Pkg.	Unit Pkg.	Wt., Lbs. Std. Pkg.	Price Each
13607	9009-R	1/2	1/2	1/2	1/2	100	10	50	\$0.48
13608	9029-R	1/2	1/2	1/2	3/4	100	10	70	.56
13609	9049-R	1/2	1/2	1	3/4	100	5	85	.63
13610	9069-R	3/4	3/4	1/2	3/4	50	10	35	.57
13611	9089-R	3/4	3/4	3/4	3/4	50	10	40	.57
13612	9090-R	3/4	3/4	1	3/4	50	5	50	.65

TYPE No. 9-L UNILET BODIES



Type No. 9-L

Trade No.	Mfrs. No.	FOR CONDUIT SIZE, INCHES	A	B	C	Std. Pkg.	Unit Pkg.	Wt., Lbs. Std. Pkg.	Price Each
13613	9009-L	1/2	1/2	1/2	1/2	100	10	50	.48
13614	9029-L	1/2	1/2	1/2	3/4	100	10	70	.56
13615	9049-L	1/2	1/2	1	3/4	100	5	85	.63
13616	9069-L	3/4	3/4	1/2	3/4	50	10	35	.57
13617	9089-L	3/4	3/4	3/4	3/4	50	10	40	.57
13618	9090-L	3/4	3/4	1	3/4	50	10	50	.65

TYPE No. 10 UNILET BODIES



Type No. 10

Trade No.	Mfrs. No.	Conduit Inches	Std. Pkg.	Unit Pkg.	Wt., Lbs. Std. Pkg.	Price Each
113524	9200	1/2	200	10	100	\$0.40
113525	9220	3/4	100	5	71	.45
113526	9240	1	50	5	53	.65
113527	9260	1 1/4	20	1	36	1.04
113528	9280	1 1/2	10	1	23	1.37
113529	9300	2	5	1	17	2.65
113530	9320	2 1/2	5	1	16	6.55
113531	9340	3	5	1	16	7.70
113532	9360	3 1/2	5	1	23	17.10
113533	9380	4	5	1	24	19.10

TYPE No. 11 UNILET BODIES



Type No. 11

Trade No.	Mfrs. No.	Conduit Inches	Std. Pkg.	Unit Pkg.	Wt., Lbs. Std. Pkg.	Price Each
113534	9600	1/2	200	10	75	\$0.48
113535	9620	3/4	100	5	55	.57
113536	9640	1	50	5	50	.80
113537	9660	1 1/4	20	1	35	1.22
113538	9680	1 1/2	10	1	20	1.69
113539	9700	2	5	1	17 1/2	2.55
113540	9720	2 1/2	5	1	35	7.45
113541	9740	3	5	1	37 1/2	8.15
113542	9760	3 1/2	5	1	82	22.60
113543	9780	4	5	1	83	24.60

DIMENSIONS

Conduit Inches	OUTSIDE DIMENS. OF BOX, INCHES		Conduit Inches	OUTSIDE DIMENS. OF BOX, INCHES	
	Length	Width		Length	Width
1/2	3 5/8	1 1/4	2	5 3/4	3 1/4
3/4	3 3/4	1 1/2	2 1/2	8	4 1/2
1	4	2	3	8	4 1/2
1 1/4	4 3/4	2 1/2	3 1/2	11 3/8	6 1/8
1 1/2	4 3/4	2 1/2	4	11 3/8	6 1/8

Rectangular covers, receptacles, rosettes, etc., of same size are interchangeable on above Unilet Bodies of corresponding size.

Finishes: Black enameled is the standard finish for Unilet Bodies and will be furnished unless another finish is specified. Unilet Bodies with sherardized finish will be furnished at the same price as black enameled.

Black enameled and sherardized Unilet Bodies of the same type and size may be assorted to make up a standard package. No other assortment will be allowed.

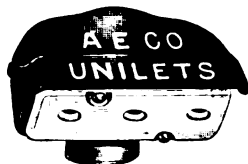
Rectangular covers, receptacles, rosettes, etc., are listed on following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNILETS

SERVICE ENTRANCE UNILETS

Top part can be removed while drawing wires and making connections. Absolutely water-proof. For $\frac{1}{2}$ to 4-inch conduit, inclusive.



Front View Service Unilet
Showing Three-wire Cover
Attached



Side View Service Unilet
Showing Top Part
Removed



Solid Rubber
Rectangular Gasket



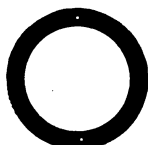
Open Rubber
Rectangular Gasket



Solid Rubber
Octagonal Gasket



Open Rubber
Octagonal Gasket



Globe Gasket

TYPE SE UNILET BODIES

Trade No.	Mfrs. No.	For Conduit Size, Inches	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price* Each
43502	10	$\frac{1}{2}$	1	100	125	\$0.50
43503	20	$\frac{3}{4}$	1	100	144	.65
43504	30	1	1	50	128	1.05
43505	40	$1\frac{1}{4}$	1	20	88	1.64
43506	50	$1\frac{1}{2}$	1	10	44	1.77
43507	60	2	1	5	33	3.40
43508	70	$2\frac{1}{2}$	1	5	82	8.20
43509	80	3	1	5	81	10.20
43510	90	$3\frac{1}{2}$	1	5	32	18.10
43511	100	4	1	5	33	23.10

All standard rectangular shaped porcelain covers used on these unilets. See another page for covers listed separately.

*Black enameled or sherardized finish, same price. Black enameled finish shipped, unless otherwise specified.

RUBBER GASKETS FOR RECTANGULAR STEEL UNILETS
FOR TYPES 0, 1, 2, 3, 4, 5R, 5L, 6, 7, 8, 9R, 9L, 10 AND 11

Solid				
Trade No.	Mfrs. No.	For Conduit Size, Inches	Std. Pkg.	Price Each
43599	2560	$\frac{1}{2}$	200	\$0.10
43600	2561	$\frac{3}{4}$	100	.10
43601	2562	1	50	.15
43602	2563	$1\frac{1}{4}$	25	.20
43603	2564	$1\frac{1}{2}$	25	.20
43604	2565	2	25	.25
43605	2566	$2\frac{1}{2}$	25	.40
43606	2567	3	25	.40
43607	2568	$3\frac{1}{2}$	25	.50
43608	2569	4	25	.50
Open				
43512	2580	$\frac{1}{2}$	200	.10
43513	2581	$\frac{3}{4}$	100	.10
43514	2582	1	50	.15
43515	2583	$1\frac{1}{4}$	25	.20
43516	2584	$1\frac{1}{2}$	25	.20
43517	2585	2	25	.25
43518	2586	$2\frac{1}{2}$	25	.40
43519	2587	3	25	.40
43609	2588	$3\frac{1}{2}$	25	.50
43610	2589	4	25	.50

RUBBER GASKETS FOR OCTAGONAL STEEL UNILETS
FOR TYPES 1E, 2E, 3E, 4E, 5E AND 6E

Solid				
Trade No.	Mfrs. No.	For Fittings Diam., Body, In.	Std. Pkg.	Price Each
113551	7770	2¾	100	\$0.10
113552	7771	3	100	.15
Open				
113553	7780	2¾	100	.10
113554	7781	3	100	.15

GLOBE GASKETS FOR VAPOR-PROOF UNILETS

FOR TYPES 1G, 2G, 3G, 4G, 5G AND 6G

Trade No.	Mfrs. No.	For Globes Diam., In.	Std. Pkg.	Price Each
113555	2990	$2\frac{3}{4}$	75	\$0.15
113556	2991	$3\frac{3}{4}$	75	.20

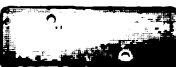



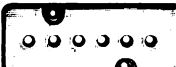
Gaskets cannot be assorted to make up standard package.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNILETS

COVERS FOR RECTANGULAR STEEL UNILETS

The unilet covers listed below will fit the unilets listed on preceding pages.

Blank Metal										
	Trade No.	Mfrs. No.	For Conduit Size, Inches	Std. Pkg.	Price Each	Trade No.	Mfrs. No.	For Conduit Size, Inches	Std. Pkg.	Price Each
	14001	6000	1/2	200	\$0.08	14006	6300	2	5	\$0.56
Blank Metal	14002	6020	3/4	100	.11	33548	6320	2 1/2	5	.75
	14003	6100	1	50	.23	33549	6340	3	5	.75
	14004	6130	1 1/4	20	.32	113566	6360	3 1/2	5	.80
	14005	6200	1 1/2	10	.45	113567	6380	4	5	.80
One-wire Porcelain										
	13927	6001	1/2	200	.10	13932	6301	2	5	.60
	13928	6021	3/4	100	.15	13974	6321	2 1/2	5	.80
	13929	6101	1	50	.25	13975	6341	3	5	.80
	13930	6131	1 1/4	20	.36	113568	6361	3 1/2	5	.90
	13931	6201	1 1/2	10	.48	113569	6381	4	5	.90
Two-wire Porcelain										
One-wire Porcelain	13933	6002	1/2	200	.10	13938	6302	2	5	.60
	13934	6022	3/4	100	.15	13976	6322	2 1/2	5	.80
	13935	6102	1	50	.25	13977	6342	3	5	.80
	13936	6132	1 1/4	20	.36	113570	6362	3 1/2	5	.90
	13937	6202	1 1/2	10	.48	113571	6382	4	5	.90
Three-wire Porcelain										
	13939	6003	1/2	200	.10	13944	6303	2	5	.60
	13940	6023	3/4	100	.15	13978	6323	2 1/2	5	.80
	13941	6103	1	50	.25	13979	6343	3	5	.80
	13942	6133	1 1/4	20	.36	113572	6363	3 1/2	5	.90
	13943	6203	1 1/2	10	.48	113573	6383	4	5	.90
Four-wire Porcelain										
Two-wire Porcelain	13945	6004	1/2	200	.10	13950	6304	2	5	.60
	13946	6024	3/4	100	.15	13980	6324	2 1/2	5	.80
	13947	6104	1	50	.25	13981	6344	3	5	.80
	13948	6134	1 1/4	20	.36	113574	6364	3 1/2	5	.90
	13949	6204	1 1/2	10	.48	113575	6384	4	5	.90
Five-wire Porcelain										
	13951	6025	3/4	100	.15	13982	6325	2 1/2	5	.80
	13952	6105	1	50	.25	13983	6345	3	5	.80
	13953	6135	1 1/4	20	.36	113576	6365	3 1/2	5	.90
	13954	6205	1 1/2	10	.48	113577	6385	4	5	.90
	13955	6305	2	5	.60	....	....	....	....	....
Six-wire Porcelain										
Three-wire Porcelain	13956	6026	3/4	100	.15	13625	6326	2 1/2	5	.80
	13957	6106	1	50	.25	13626	6346	3	5	.80
	13958	6136	1 1/4	20	.36	113578	6366	3 1/2	5	.90
	13959	6206	1 1/2	10	.48	113579	6386	4	5	.90
	13960	6306	2	5	.60	....	....	....	....	....
Seven-wire Porcelain										
	13961	6107	1	50	.25	14077	6327	2 1/2	5	.80
	13962	6137	1 1/4	20	.36	14078	6347	3	5	.80
	13963	6207	1 1/2	10	.48	113580	6367	3 1/2	5	.90
	13964	6307	2	5	.60	113581	6387	4	5	.90
Eight-wire Porcelain										
Six-wire Porcelain	13965	6108	1	50	.25	14079	6328	2 1/2	5	.80
	13966	6138	1 1/4	20	.36	14080	6348	3	5	.80
	13967	6208	1 1/2	10	.48	113582	6368	3 1/2	5	.90
	13968	6308	2	5	.60	113583	6388	4	5	.90

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Unilet covers of the same size, listed above, may be assorted to make up a standard package regardless of style of cover.

Unilet covers of the same size, listed above, are interchangeable.

UNILETS

RECTANGULAR COVERS AND RECEPTACLES

The Unilet covers listed below will fit the Unilets listed on the preceding pages.



Weatherproof Socket

Trade No.	Mfrs. No.	Weatherproof Socket For Conduit Size, Inches	Std. Pkg.	Price Each
13969	6013	$\frac{1}{2}$	200	\$0.16
13970	6035	$\frac{3}{4}$	100	.25
13971	6117	1	50	.40
13972	6147	$1\frac{1}{4}$	20	.56
13973	6217	$1\frac{1}{2}$	10	.73

 $\frac{1}{8}$ -inch Male Nipple Cover, Metal

Trade No.	Mfrs. No.	$\frac{1}{8}$ -inch Male Nipple, Metal	Std. Pkg.	Price Each
14007	6005	$\frac{1}{2}$	200	.20
14008	6027	$\frac{3}{4}$	100	.25
14012	6006	$\frac{1}{2}$	200	.20
14013	6028	$\frac{3}{4}$	100	.25

 $\frac{1}{8}$ -inch Male Nipple Cover, Porcelain

Trade No.	Mfrs. No.	$\frac{1}{8}$ -inch Male Nipple, Metal	Std. Pkg.	Price Each
14017	6007	$\frac{1}{2}$	200	.25
14018	6029	$\frac{3}{4}$	100	.30
14046	6008	$\frac{1}{2}$	200	.25
14047	6030	$\frac{3}{4}$	100	.30



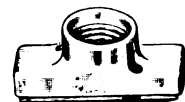
Two-piece Receptacle without Shade Holder Groove

Trade No.	Mfrs. No.	$\frac{1}{8}$ -inch Male Nipple, Porcelain	Std. Pkg.	Price Each
14051	6009	$\frac{1}{2}$	200	.25
14052	6031	$\frac{3}{4}$	100	.30
14056	6010	$\frac{1}{2}$	200	.25
14057	6032	$\frac{3}{4}$	100	.30



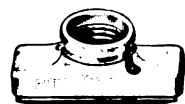
Two-piece Receptacle with Shade Holder Groove

Trade No.	Mfrs. No.	$\frac{1}{8}$ -inch Male Nipple, Porcelain	Std. Pkg.	Price Each
14061	6011	$\frac{1}{2}$	200	.35
14062	6033	$\frac{3}{4}$	100	.41
14066	6012	$\frac{1}{2}$	200	.35
14067	6034	$\frac{3}{4}$	100	.41



One-piece Receptacle without Shade Holder Groove

Trade No.	Mfrs. No.	Two-piece Receptacle without Shade Holder Groove	Std. Pkg.	Price Each
14071	7650	$\frac{1}{2}$	200	.25
14072	7651	$\frac{3}{4}$	100	.30
14073	7652	1	50	.35
Trade No.	Mfrs. No.	Two-piece Receptacle with Shade Holder Groove	Std. Pkg.	Price Each
14074	7660	$\frac{1}{2}$	200	.30
14075	7661	$\frac{3}{4}$	100	.35
14076	7662	1	50	.40



One-piece Receptacle with Shade Holder Groove

Trade No.	Mfrs. No.	One-piece Weatherproof Receptacle without Shade Holder Groove	Std. Pkg.	Price Each
14081	7670	$\frac{1}{2}$	200	.40
14082	7671	$\frac{3}{4}$	100	.45
14083	7672	1	50	.50
Trade No.	Mfrs. No.	One-piece Weatherproof Receptacle with Shade Holder Groove	Std. Pkg.	Price Each
14084	7680	$\frac{1}{2}$	200	.45
14085	7681	$\frac{3}{4}$	100	.50
14086	7682	1	50	.55

Each of the one-piece weatherproof receptacles is fitted with 6 inches of No. 14 B. & S. stranded rubber covered wire. Longer wires on special order. For extra wire add to list $4\frac{1}{2}$ cents per foot for each conductor.

Rubber gaskets are not included in above prices.

Unilet covers of the same size, listed above, may be assorted to make up a standard package regardless of style of cover.

Unilet covers of the same size, listed above, are interchangeable.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNILETS



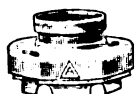
Type No. 5RL Body



Type No. 5RL Cover



Cord Rosette

Fixture Rosette
Male NippleFixture Rosette
Female NippleHubbell Attachment
Plug ReceptacleOctagon Receptacle
with Shade Holder
Groove

TYPE 5RL UNILETS WITH COVERS

The Type 5RL Unilets listed on this page take the place of the right and left ells now used and give two types in one.

Type No. 5RL Unilet Bodies

Trade No.	Mfrs. No.	For Conduit Size, Inches	Unit Pkg.	Std. Pkg.	Price Each
119173	4200	$\frac{1}{2}$	10	200	\$0.40
119174	4220	$\frac{3}{4}$	10	100	.45
119175	4240	1	5	50	.65
119176	4260	$1\frac{1}{4}$	1	20	1.04
119177	4280	$1\frac{1}{2}$	1	10	1.37
119178	4300	2	1	5	2.65

Blank Metal Covers for Type No. 5RL Unilet Bodies

119179	4500	$\frac{1}{2}$	100	200	.08
119180	4520	$\frac{3}{4}$	50	100	.11
119181	4540	1	25	50	.23
119182	4560	$1\frac{1}{4}$	20	20	.32
119183	4580	$1\frac{1}{2}$	10	10	.45
119184	4600	2	5	5	.56

RECTANGULAR ROSETTES AND ATTACHMENT PLUG RECEPTACLES

For Types Nos. 0, 1, 2, 3, 4, 5R, 5L, 6, 7, 8, 9R, 9L, 10 and 11 Rectangular Steel Unilets

Will fit the Unilets enumerated above and listed in preceding pages.

Cord Rosettes

119185	7655	$\frac{1}{2}$	10	200	.20
119186	7656	$\frac{3}{4}$	10	100	.25
119187	7657	1	10	50	.30

Fixture Rosettes with $\frac{1}{4}$ -inch Male Nipple

119188	7820	$\frac{1}{2}$	10	100	.30
119189	7821	$\frac{3}{4}$	10	100	.35
119190	7822	1	10	50	.40

Fixture Rosettes with $\frac{1}{4}$ -inch Female Nipple

119191	7830	$\frac{1}{2}$	10	100	.30
119192	7831	$\frac{3}{4}$	10	100	.35
119193	7832	1	10	50	.40

Fixture Rosettes with $\frac{1}{4}$ -inch Male Nipple

119194	7840	$\frac{1}{2}$	10	100	.35
119195	7841	$\frac{3}{4}$	10	100	.40
119196	7842	1	10	50	.45

Fixture Rosettes with $\frac{1}{4}$ -inch Female Nipple

119197	7850	$\frac{1}{2}$	10	100	.35
119198	7851	$\frac{3}{4}$	10	100	.40
119199	7852	1	10	50	.45

Fixture Rosettes with $\frac{3}{8}$ -inch Male Nipple

119200	7860	$\frac{1}{2}$	10	100	.40
119201	7861	$\frac{3}{4}$	10	100	.45
119202	7862	1	10	50	.50

Fixture Rosettes with $\frac{3}{8}$ -inch Female Nipple

119203	7870	$\frac{1}{2}$	10	100	.40
119204	7871	$\frac{3}{4}$	10	100	.45
119205	7872	1	10	50	.50

Fixture Rosettes with $\frac{1}{2}$ -inch Male Nipple

119206	7880	$\frac{1}{2}$	10	100	.50
119207	7881	$\frac{3}{4}$	10	100	.55
119208	7882	1	10	50	.60

Fixture Rosettes with $\frac{1}{2}$ -inch Female Nipple

119209	7890	$\frac{1}{2}$	10	100	.50
119210	7891	$\frac{3}{4}$	10	100	.55
119211	7892	1	10	50	.60

Hubbell Attachment Plug Receptacles—10 Amperes

Hubbell standard attachment plugs will fit in the receptacles listed

below.					
119212	7665	$\frac{1}{2}$	10	100	.40
119213	7666	$\frac{3}{4}$	10	100	.45
119214	7667	1	10	50	.50

Octagon Receptacle with Shade Holder Groove

119215	7736	$\frac{1}{2}$ and $\frac{3}{4}$	10	200	.30
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Octagon receptacle is furnished with shade holder groove only. Will fit on the Type E octagon Unilets listed in following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNILETS

TYPE D OCTAGONAL UNILETS WITH SWIVEL COVERS, FOR SNAP SWITCHES AND ROUND BASE FITTINGS

Many different makes of fittings may be installed on these unilets by means of the adjustable swivel, such as standard round sockets, rosettes, receptacles, switches, etc.

TYPE No. 1D UNILET BODIES



Type No. 1D

Trade No.	Mfrs. No.	For Conduit Size, Inches	For Fittings Size, Amps.	INSIDE DIMENS. OF BOX, INCHES		Unit Pkg.	Std. Pkg.	Price Each
14087	7401	1/2	5 & 10	2 3/4	1	10	150	\$0.45
113593	7521	1/2	20	3	1	5	75	.80
14105	7431	3/4	5 & 10	2 3/4	1 1/4	5	75	.55
113594	7541	3/4	20	3	1 1/4	5	50	.85
14123	7461	1	5, 10 & 20	3	1 3/4	5	25	.90

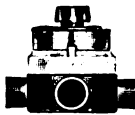
TYPE No. 2D UNILET BODIES



Type No. 2D

14088	7402	1/2	5 & 10	2 3/4	1	10	150	.55
113595	7522	1/2	20	3	1	5	75	.90
14106	7432	3/4	5 & 10	2 3/4	1 1/4	5	75	.65
113596	7542	3/4	20	3	1 1/4	5	50	.95
14124	7462	1	5, 10 & 20	3	1 3/4	5	25	1.00

TYPE No. 3D UNILET BODIES



Type No. 3D

14089	7403	1/2	5 & 10	2 3/4	1	10	100	.75
113597	7523	1/2	20	3	1	5	50	1.10
14107	7433	3/4	5 & 10	2 3/4	1 1/4	5	50	.85
113598	7543	3/4	20	3	1 1/4	5	50	1.20
14125	7463	1	5, 10 & 20	3	1 3/4	5	25	1.20

TYPE No. 4D UNILET BODIES



Type No. 4D

14090	7404	1/2	5 & 10	2 3/4	1	10	100	.90
113599	7524	1/2	20	3	1	5	50	1.25
14108	7434	3/4	5 & 10	2 3/4	1 1/4	5	50	1.00
113600	7544	3/4	20	3	1 1/4	5	50	1.40
14126	7464	1	5, 10 & 20	3	1 3/4	5	25	1.45

TYPE No. 5D UNILET BODIES



Type No. 5D

14091	7405	1/2	5 & 10	2 3/4	1	10	100	.60
113601	7525	1/2	20	3	1	5	50	.95
14109	7435	3/4	5 & 10	2 3/4	1 1/4	5	50	.70
113602	7545	3/4	20	3	1 1/4	5	50	1.05
14127	7465	1	5, 10 & 20	3	1 3/4	5	25	1.05

TYPE No. 6D UNILET BODIES



Type No. 6D

14092	7406	1/2	5 & 10	2 3/4	1	10	100	.50
113603	7526	1/2	20	3	1	5	50	.85
14110	7436	3/4	5 & 10	2 3/4	1 1/4	5	50	.60
113604	7546	3/4	20	3	1 1/4	5	50	.90
14128	7466	1	5, 10 & 20	3	1 3/4	5	25	.95

FINISHES.—Black enameled is the standard finish for unilet bodies and will be furnished unless another finish is specified. Unilet bodies with sherardized finish will be furnished at the same price as black enameled.

Black enameled and sherardized unilet bodies of the same type and size may be assorted to make up a standard package. No other assortment will be allowed.


We do not furnish switches or fittings for the above unilet bodies.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNILETS


TYPE E OCTAGONAL UNILETS WITHOUT COVERS

TYPE No. 1E UNILET BODIES




	Trade No.	Mfrs. No.	For Conduit Size, Inches	For Fittings Size, Amps.	INSIDE DIMENS. OF BOX, INCHES		Unit Pkg.	Std. Pkg.	Price Each
					Diam.	Depth			
	113615	7501	1/2	5 & 10	2 3/4	1	10	200	\$0.29
	113616	7571	1/2	20	3	1	5	75	.29
	113617	7531	3/4	5 & 10	2 3/4	1 1/4	10	100	.41
	113618	7581	3/4	20	3	1 1/4	5	50	.41
	113619	7561	1	5, 10 & 20	3	1 3/4	5	50	.65

TYPE No. 2E UNILET BODIES




	Trade No.	Mfrs. No.	For Conduit Size, Inches	For Fittings Size, Amps.	INSIDE DIMENS. OF BOX, INCHES		Unit Pkg.	Std. Pkg.	Price Each
					Diam.	Depth			
	113620	7502	1/2	5 & 10	2 3/4	1	10	200	.36
	113621	7572	1/2	20	3	1	5	75	.36
	113622	7532	3/4	5 & 10	2 3/4	1 1/4	10	100	.46
	113623	7582	3/4	20	3	1 1/4	5	50	.46
	113624	7562	1	5, 10 & 20	3	1 3/4	5	50	.74

TYPE No. 3E UNILET BODIES




	Trade No.	Mfrs. No.	For Conduit Size, Inches	For Fittings Size, Amps.	INSIDE DIMENS. OF BOX, INCHES		Unit Pkg.	Std. Pkg.	Price Each
					Diam.	Depth			
	113625	7503	1/2	5 & 10	2 3/4	1	10	150	.48
	113626	7573	1/2	20	3	1	5	50	.48
	113627	7533	3/4	5 & 10	2 3/4	1 1/4	10	75	.62
	113628	7583	3/4	20	3	1 1/4	5	50	.62
	113629	7563	1	5, 10 & 20	3	1 3/4	5	50	.96

TYPE No. 4E UNILET BODIES




	Trade No.	Mfrs. No.	For Conduit Size, Inches	For Fittings Size, Amps.	INSIDE DIMENS. OF BOX, INCHES		Unit Pkg.	Std. Pkg.	Price Each
					Diam.	Depth			
	113630	7504	1/2	5 & 10	2 3/4	1	10	150	.60
	113631	7574	1/2	20	3	1	5	50	.60
	113632	7534	3/4	5 & 10	2 3/4	1 1/4	10	75	.82
	113633	7584	3/4	20	3	1 1/4	5	50	.82
	113634	7564	1	5, 10 & 20	3	1 3/4	5	50	1.20

TYPE No. 5E UNILET BODIES



	Trade No.	Mfrs. No.	For Conduit Size, Inches	For Fittings Size, Amps.	INSIDE DIMENS. OF BOX, INCHES		Unit Pkg.	Std. Pkg.	Price Each
					Diam.	Depth			
	113635	7505	1/2	5 & 10	2 3/4	1	10	150	.40
	113636	7575	1/2	20	3	1	5	50	.40
	113637	7535	3/4	5 & 10	2 3/4	1 1/4	10	75	.50
	113638	7585	3/4	20	3	1 1/4	5	50	.50
	113639	7565	1	5, 10 & 20	3	1 3/4	5	50	.80

TYPE No. 6E UNILET BODIES



	Trade No.	Mfrs. No.	For Conduit Size, Inches	For Fittings Size, Amps.	INSIDE DIMENS. OF BOX, INCHES		Unit Pkg.	Std. Pkg.	Price Each
					Diam.	Depth			
	113640	7506	1/2	5 & 10	2 3/4	1	10	200	.24
	113641	7576	1/2	20	3	1	5	50	.24
	113642	7536	3/4	5 & 10	2 3/4	1 1/4	10	100	.36
	113643	7586	3/4	20	3	1 1/4	5	50	.36
	113644	7566	1	5, 10 & 20	3	1 3/4	5	50	.58

Finishes: Black enameled is the standard finish for Unilet bodies and will be furnished unless another finish is specified. Unilet bodies with sherardized finish will be furnished at the same price as black enameled.

Black enameled and sherardized Unilet bodies of the same type and size may be assorted to make up a standard package. No other assortment will be allowed.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNILETS

COVERS FOR TYPE E OCTAGONAL UNILETS

The Unilet Covers listed below will fit the octagonal Unilets listed on the preceding pages.



No. 7700



No. 7707



No. 7708



No. 7701



No. 7702



No. 7703

METAL COVERS

Blank

Trade No.	Mfrs. No.	For Fittings Diam., Body, In.	Unit Pkg.	Std. Pkg.	Price Each
113651	7700	2 3/4	25	200	\$0.08
113652	7750	3	25	200	.08
113653	7705	With 1/8-inch Male Nipple 2 3/4	25	200	.20
113654	7755	3	25	200	.20
113655	7706	With 1/8-inch Female Nipple 2 3/4	25	200	.20
113656	7756	3	25	200	.20
113657	7707	With 1/8-inch Male Nipple 2 3/4	25	200	.25
113658	7757	3	25	200	.25
113659	7708	With 1/8-inch Female Nipple 2 3/4	25	200	.25
113660	7758	3	25	200	.25
113661	7709	With 1/8-inch Male Nipple 2 3/4	25	200	.30
113662	7759	3	25	200	.30
113663	7710	With 1/8-inch Female Nipple 2 3/4	25	200	.30
113664	7760	3	25	200	.30
113665	7711	With Porcelain Bushing 2 3/4	25	200	.10
113666	7761	3	25	200	.10

Specify number of bushings wanted.

FLAT METAL COVERS

113667	7701	With Swivel for 5 and 10-ampere Switches 2 3/4	25	200	.18
113668	7751	3	25	200	.18
113669	7702	Drilled for 5 and 10-ampere Switches 2 3/4	25	200	.15
113670	7752	3	25	200	.15
113671	7766	Drilled for 20-ampere Switches 3	25	200	.20
113672	7704	For Federal Receptacles No. 303 and 304 2 3/4	25	200	.10
113673	7754	3	25	200	.10
113674	7713	For Arrow E and P & S Receptacles Nos. 54 and 61977 and Bryant Receptacles Nos. 4063 and 40488 2 3/4	25	200	.10
113675	7763	3	25	200	.10

RAISED METAL COVERS

113676	7703	For Arrow E Receptacles Nos. 59108 and 4003; Arrow E and P & S Receptacles Nos. 61577, 61877, 61988, 427 and 439; Bryant Receptacles Nos. 61988, 59108, 4003, 4035 and 4057; P & S Receptacles Nos. 436, 437, 102703 and 102704 2 3/4	25	200	.10
113677	7753	3	25	200	.10
113678	7712	For Bryant Receptacles No. 1508 and Arrow E Receptacles Nos. 501 and 521 2 3/4	25	200	.10
113679	7762	3	25	200	.10
113680	7714	For Conn. Elec. Mfg. Co. Receptacle No. 9001 2 3/4	25	200	.10
113681	7764	3	25	200	.10
113682	7715	For Federal Plug Receptacle No. 370 2 3/4	25	200	.10
113683	7765	3	25	200	.10

Finishes: Black enameled is the standard finish for metal covers, and will be furnished unless another finish is specified. Sherardized finish, if specified, will be furnished at the same price as black enameled.

Black enameled and sherardized covers of the same size may be assorted to make a standard package, regardless of style. No other assortment will be allowed.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNILETS

OCTAGONAL WEATHERPROOF PORCELAIN RECEPTACLES

For All Types $\frac{1}{2}$ and $\frac{3}{4}$ -inch Octagonal Unilets, $2\frac{1}{4}$ Inches in Diameter

ONE-PIECE WEATHERPROOF RECEPTACLES

Receptacles without Shade Holder Groove



No. 7730

Trade No.	Mfrs. No.	For Conduit Size, Inches	Std. Pkg.	Price Each
113693	7730	$\frac{1}{2}$ and $\frac{3}{4}$	200	\$0.40

Receptacles with Shade Holder Groove



No. 7731

Trade No.	Mfrs. No.	For Conduit Size, Inches	Std. Pkg.	Price Each
113694	7731	$\frac{1}{2}$ and $\frac{3}{4}$	200	\$0.45

Angle Receptacles without Shade Holder Groove



No. 7740

Trade No.	Mfrs. No.	For Conduit Size, Inches	Std. Pkg.	Price Each
113695	7740	$\frac{1}{2}$ and $\frac{3}{4}$	200	\$0.50

Angle Receptacles with Shade Holder Groove



No. 7741

Trade No.	Mfrs. No.	For Conduit Size, Inches	Std. Pkg.	Price Each
113696	7741	$\frac{1}{2}$ and $\frac{3}{4}$	200	\$0.55

Each of the above receptacles is fitted with 6 inches of No. 14 B. & S. stranded rubber covered wire. Longer wires on special order.

For extra wire add to list $4\frac{1}{2}$ cents per foot for each conductor. Rubber gaskets are not included in above prices.

SHADE HOLDERS

For Rectangular and Octagonal Unilet Porcelain Receptacles



No. 7321

Trade No.	Mfrs. No.	Size of Shade Inches	Form	Std. Pkg.	Price Each
113697	7321	$2\frac{1}{4}$	O	200	\$0.15
113698	7322	$2\frac{1}{4}$	H	200	.30
113699	7323	$3\frac{1}{4}$	A	200	.30



No. 7322

UNILET UNIONS



No. 7323

Trade No.	Mfrs. No.	Size Inches	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each
113700	250	$\frac{1}{2}$ - $\frac{1}{2}$	50	3	\$0.35
113701	251	$\frac{3}{4}$ - $\frac{3}{4}$	50	6	.40
113702	252	1-1	25	4	.60
113703	253	$1\frac{1}{4}$ - $1\frac{1}{4}$	25	7	1.00
113704	254	$1\frac{1}{2}$ - $1\frac{1}{2}$	25	9	1.25

UNILET COUPLINGS



Unilet Union

113705	255	$\frac{1}{2}$ - $\frac{1}{2}$	50	50	.65
113706	256	$\frac{3}{4}$ - $\frac{3}{4}$	50	60	.75
113707	257	1-1	25	30	.85
113708	258	$1\frac{1}{4}$ - $1\frac{1}{4}$	25	35	.95
113709	259	$1\frac{1}{2}$ - $1\frac{1}{2}$	10	25	1.05
113710	260	2-2	10	30	1.25

Finishes: Unions and couplings are furnished with black enameled or sherardized finish. Black enameled will be furnished unless another finish is specified.

Black enameled and sherardized unions of the same size may be assorted to make up a standard package. Black enameled and sherardized couplings of the same size may be assorted to make up a standard package.



Union Coupling

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNILETS

TYPE C SWITCH UNILETS

TYPE No. 1C, SINGLE—SHALLOW

Trade No.	Mfrs. No.	For Conduit Size, Inches	Unit Pkg.	Std. Pkg.	Price Each
113713	6600	$\frac{1}{2}$	1	75	\$0.40
113714	6605	$\frac{3}{4}$	1	50	.50

TYPE No. 1C, SINGLE—DEEP

113715	6610	$\frac{1}{2}$	1	75	.50
113716	6615	$\frac{3}{4}$	1	50	.60
113717	6620	1	1	25	.70

TYPE No. 2C, SINGLE—SHALLOW

113718	6601	$\frac{1}{2}$	1	75	.50
113719	6606	$\frac{3}{4}$	1	50	.60

TYPE No. 2C, SINGLE—DEEP

113720	6611	$\frac{1}{2}$	1	75	.60
113721	6616	$\frac{3}{4}$	1	50	.70
113722	6621	1	1	25	.80

TYPE No. 1C, TWO-GANG—DEEP

113723	6625	$\frac{1}{2}$	1	50	.75
113724	6630	$\frac{3}{4}$	1	25	.90
113725	6635	1	1	15	1.05

TYPE No. 2C, TWO-GANG—DEEP

113726	6626	$\frac{1}{2}$	1	50	.90
113727	6631	$\frac{3}{4}$	1	25	1.05
113728	6636	1	1	15	1.20

TYPE No. 3C, TWO-GANG—DEEP

113729	6627	$\frac{1}{2}$	1	50	1.05
113730	6632	$\frac{3}{4}$	1	25	1.20
113731	6637	1	1	15	1.35

TYPE No. 4C, TWO-GANG—DEEP

113732	6628	$\frac{1}{2}$	1	50	1.20
113733	6633	$\frac{3}{4}$	1	25	1.35
113734	6638	1	1	15	1.50

TYPE No. 5C, TWO-GANG—DEEP

113735	6629	$\frac{1}{2}$	1	50	.90
113736	6634	$\frac{3}{4}$	1	25	1.05
113737	6639	1	1	15	1.20

The above unilets can be furnished for odd sizes of conduit up to 1-inch if desired.

They will take any of the standard rectangular base push button or flush rotary switches or plug receptacles.

Any of the above two-gang types can be furnished for one push button, or flush rotary switch or one plug receptacle in center if so specified.

Type C switch unilets can be furnished for three to six-gang, inclusive. Prices on application.

Finishes: Black enameled is the standard finish for Unilet bodies and will be furnished unless another finish is specified. Unilet bodies with sherardized finish will be furnished at the same price as black enameled.

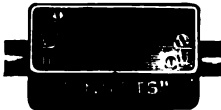
Black enameled and sherardized Unilet bodies of the same type and size may be assorted to make up a standard package. No other assortment will be allowed.

Covers for above Unilet bodies listed on following pages.

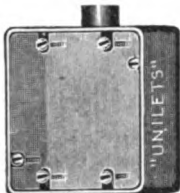
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



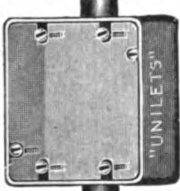
Type No. 1C, Single



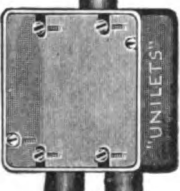
Type No. 2C, Single



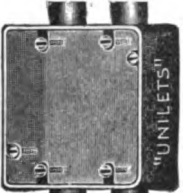
Type No. 1C, Two-gang



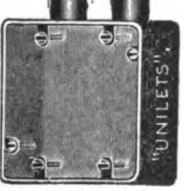
Type No. 2C, Two-gang



Type No. 3C, Two-gang



Type No. 4C, Two-gang

















Type No. 5C, Two-gang

UNILETS

COVERS FOR TYPES C SWITCH UNILETS

For One Single Push Button Switch

	Trade No.	Mfrs. No.	Style	Unit Pkg.	Std Pkg.	Price Each
	No. 6707	113757	6707 Single	10	75	\$0.10
			For One Double Push Button Switch			
	No. 6700	113747	6700 Single	10	75	.10
			For One Flush Rotary Switch			
	No. 6701	113749	6701 Single	10	75	.10
			For Round Plug Receptacle, without Lift			
	No. 6702	113751	6702 Single	10	75	.10
			For Round Plug Receptacle, with Lift			
	No. 6703	113758	6702A Single	10	75	.60
			For Rectangular Plug Receptacle			
	No. 6705	113759	6703 Single	10	75	.80
			For Hubbell Flush Plug Receptacle No. 5566			
	No. 6706	113760	6704A Single	10	75	.40
			For Hubbell Duplex Receptacle No. 6257			
	No. 6702A	113761	6705 Single	10	75	.30
			Blank Metal			
	No. 6703	113762	6706 Single	10	75	.10
			For Standard Duplex Receptacles			
	No. 6705	113763	6708 Single	10	75	.30
			For Two Single Push Button Switches			
	No. 6706	113764	6716 Two-gang	10	50	.20
			For Two Double Push Button Switches			
	No. 6710	113748	6710 Two-gang	10	50	.20
			For Two Flush Rotary Switches			
	No. 6711	113750	6714 Two-gang	10	50	.20
			For Two Round Plug Receptacles, without Lift			
	No. 6712	113753	6715 Two-gang	10	50	.20
			For Two Round Plug Receptacles, with Lift			
		113765	6715A Two-gang	10	50	1.20
			For Two Rectangular Plug Receptacles			
		130705	6717 Two-gang	10	50	1.60
			For Two Hubbell Flush Plug Receptacles No. 5566			
		130706	6718 Two-gang	10	50	.80
			For Two Hubbell Duplex Receptacles			
		130707	6719 Two-gang	10	50	.60
			For Two Standard Duplex Receptacles			
		130708	6719A Two-gang	10	50	.60
			For Double Push Button Switch and Flush Rotary Switch			
		113754	6711 Two-gang	10	50	.50
			For Double Push Button Switch and Round Plug Receptacle, without Lift			
		113755	6712 Two-gang	10	50	.50
			For Double Push Button Switch and Round Plug Receptacle, with Lift			
		130709	6712A Two-gang	10	50	.80
			For Flush Rotary Switch and Round Plug Receptacle, without Lift			
		113756	6713 Two-gang	10	50	.50
			For Flush Rotary Switch and Round Plug Receptacle, with Lift			
		130710	6713A Two-gang	10	50	.80

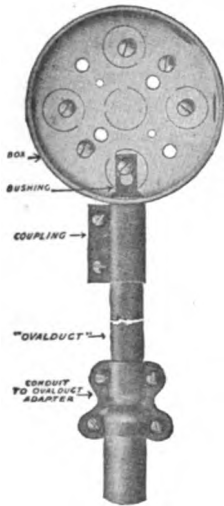
Finishes: Black enameled is the standard finish for metal covers, and will be furnished unless another finish is specified. Sherardized finish, if specified, will be furnished at the same price as black enameled.

Black enameled and sherardized covers for single Unilet bodies may be assorted to make up a standard package, also black enameled and sherardized covers for two-gang Unilet bodies.

Two-gang covers listed above can be furnished for one push button switch, one flush rotary switch or one plug receptacle in center if so specified, but can be used only on Unilet bodies when furnished with fastening lugs placed in center of same.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

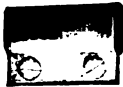
OVALDUCT CONDUIT



Showing Complete Set of Fittings, Except Elbow, Connected up Illustrating Method of Fitting in Extension from Round Conduit



Ovalduct Elbow



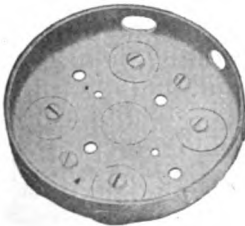
Ovalduct Coupling



Ovalduct Bushing



Ovalduct Adapter



Ovalduct Ceiling or Outlet Box



Ovalduct Conduit

Ovalduct Conduit is made in 10-foot lengths from seamless drawn steel tube sherardized inside and outside, then enameled upon the interior.

It readily takes a duplex wire and may be bent to conform to wiring conditions. The system includes complete fittings, elbows, couplings, bushings for fittings to special boxes and adapters adapting the Ovalduct to regular $\frac{1}{2}$ -inch conduit.

Ovalduct Conduit is made of $\frac{1}{4}$ -inch metal and the cross-section of the tube is elliptical, the shorter diameter being $\frac{3}{8}$ inch and the longer one $\frac{5}{8}$ inch.

It is designed for use in making alterations and additions to conduit work in completed fireproof structures where the original wiring has been installed in standard rigid iron conduit.

The use of Ovalduct Conduit makes the channeling of the ceilings or walls unnecessary. It is laid in a small groove in the plaster and fastened to the ceiling or walls with short tie wires which are fished around the tile through two small holes or strapped on.

By the use of Ovalduct, an extension may be made by simply channeling the plaster, installing and burying the Ovalduct in the plaster. Special ceiling boxes with oval knock-outs are made, and where an extension is to be made from a standard conduit outlet the old ceiling box is removed, the Ovalduct Box installed in its place, the Ovalduct Tubing run to the necessary point and a similar Ovalduct Outlet box installed at the proper or desired point.

OVALDUCT CONDUIT

Trade No.		Price per Foot
32318	Sherardized inside and outside, then enameled inside.....	\$0.20

OVALDUCT ELBOWS

Trade No.		Price Each
32303	Sherardized, rustproof.....	\$0.20

OVALDUCT COUPLINGS

Trade No.		Price Each
32305	Ovalduct coupling.....	\$0.06

OVALDUCT BUSHINGS

Trade No.		Price Each
32304	For connecting elbow or Ovalduct to outlet box	\$0.08

OVALDUCT ADAPTERS

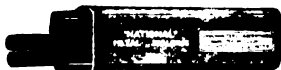
Trade No.		Price Each
32306	Adapter from rigid round conduit to Ovalduct	\$0.20

OVALDUCT CEILING OR OUTLET BOXES

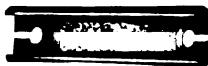
Trade No.		Price Each
32307	Standard ceiling box with five $\frac{1}{2}$ -inch conduit knock-outs in bottom and six Ovalduct knock-outs in the side	\$0.24

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NATIONAL METAL MOLDING



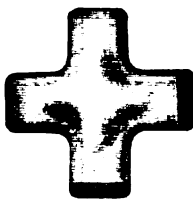
No. 333



No. 333 Base



No. 333 Cap



No. 334



No. 335



No. 336



No. 437



No. 337



No. 338

The material used in the construction of National Metal Molding is sherardized metal; finely divided zinc dust driven into the pores of the base metal forms an alloy which is rustproof and cannot be knocked off.

The base of National Metal Molding is furnished with a keyhole slot at each end, as shown in the illustration. This keyhole slot, used in connection with the special bond screws furnished in all National Metal Molding fittings, cuts the labor of installing this material and its fittings in half by doing away with the use of many wood screws, toggles or expansion bolts.

The full value of this new screw-and-slot system cannot be obtained unless a new style National Hand Punch is used for punching the keyhole slot where lengths are cut.

The base coupling is designed to do the same work for National Metal Molding as does a coupling for rigid conduit, and its use is necessary to obtain the perfect bond between lengths required by the Code.

This fitting is also a labor and trouble saver, as its use not only does away with two screws or bolts, but eliminates the chipping and breaking of plaster which follows an attempt to drill two holes on the necessary $\frac{3}{4}$ -inch spacing in concrete or tile surfaces.

MOLDING

Trade No.	Mfr. No.	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100 Ft.
040309	333	100 ft.	1000 ft.	400	\$8.00

CROSSES

Trade No.	Mfr. No.	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
040311	334	30	120	25	\$0.17

TEES

040312	335	30	120	23	.14
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ELBOWS

90° Flat					
040313	336	30	240	30	.11
45° Flat					
58561	437	20	100	10	.11
External					
040314	337	30	60	8	.11
Internal					
040315	338	30	120	15	.11

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NATIONAL METAL MOLDING



No. 423



No. 424



No. 356



No. 399



No. 398

SUB-BASES

Trade No.	Mfr. No.	Style Base	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
58551	423	Standard	10	100	35	\$0.20
58552	424	Angle	10	50	40	.30



No. 395



No. 348



No. 431



No. 429



No. 360



No. 392

RECEPTACLES

These receptacles are designed to mount upon the molding, and are shipped in dead end form, but can easily be converted into continuous type by twisting off the upturned ear on the base plate which blanks the molding opening at one end.

Do not cut the molding base when installing these fittings. Allow 1 3/4-inch opening in the capping only.

Sub-base type receptacles cannot be mounted upon the molding.

Keyless

075221	356	Molding	10	100	37	.38
58540	399	Sub-base	10	100	40	.27

Key

58541	397	Molding	10	100	45	.41
58542	398	Sub-base	10	100	45	.39

Pull Chain

58543	395	Molding	10	100	50	.64
58544	396	Sub-base	10	100	50	.62

PORCELAIN ROSETTES

One-Piece

43192	348	Molding	20	120	35	.09
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Two-Piece

43189	431	Molding	10	120	67	.28
43190	432	Sub-base	10	120	67	.25

Combination Fixture and Drop Cord Fitting Rosette

58553	429	Sub-base	10	100	35	.35
43191	430	Molding	10	80	30	.40

These fittings are equipped with a special patented fiber bushing which is approved as an insulating joint and can be furnished with bushings tapped for 1/8, 1/4, or 3/8-inch fixture stems.

ATTACHMENT PLUGS

With Porcelain Plugs

58545	360	Molding	10	100	45	.38
58546	390	Sub-base	10	100	45	.35

With Composition Plugs

58547	360 A	Molding	10	100	45	.41
58548	390 A	Sub-base	10	100	45	.39

SNAP SWITCHES

5-ampere Indicating

58549	392	Molding	10	100	35	.39
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5-ampere Non-Indicating

58550	391	Molding	10	100	35	.36
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NATIONAL METAL MOLDING



No. 575



No. 573



No. 474



No. 473



No. 581



No. 583



No. 481



No. 485



No. 479



No. 482

BOX COVER KEYLESS RECEPTACLES

Metal Cap							
Trade No.	Mfrs. No.	Description	Unit Pkg.	Std. Pkg.	Wt. Lbs.	Price Each	
85022	575	For 3-inch conduit boxes....	1	100	68	\$0.39	
85023	571	For 4-inch conduit boxes....	1	100	105	.52	

All Porcelain

85024	577	For 3-inch conduit boxes....		1	100	69	.34
85025	573	For 4-inch conduit boxes....		1	100	102	.45

3½-INCH KEYLESS RECEPTACLES

Metal Cap

85026	475	For 3-inch conduit boxes....		1	100	97	.62
85027	474	Straight molding work		1	100	97	.60

All Porcelain

85028	477	For 3-inch conduit boxes....		1	100	100	.55
85029	476	Straight molding work		1	100	100	.52

4½-INCH KEYLESS RECEPTACLES

Metal Cap

85030	471	For 4-inch conduit boxes....		1	100	145	.80
85031	470	Straight molding work		1	100	145	.78

All Porcelain

85032	473	For 4-inch conduit boxes....		1	100	133	.60
85033	472	Straight molding work		1	100	133	.58

BOX COVER METAL CAP ROSETTES

Cord Type

85034	531	For 3-inch conduit boxes....		1	100	82	.45
85035	579	For 4-inch conduit boxes....		1	100	110	.56

Fixture Type

85036	585	For 3-inch conduit boxes....		1	100	82	.48
85037	583	For 4-inch conduit boxes....		1	100	100	.60

3½-INCH METAL CAP ROSETTES

Two-piece Type

85038	481	For 3-inch conduit boxes....		1	100	100	.64
85039	480	Straight molding work		1	100	100	.62

Fixture Type

85040	485	For 3-inch conduit boxes....		1	100	101	.66
85041	484	Straight molding work		1	100	101	.64

4½-INCH METAL CAP ROSETTES

Two-piece Type

85042	479	For 4-inch conduit boxes....		1	100	156	.75
85043	478	Straight molding work		1	100	156	.73

Fixture Type

85044	483	For 4-inch conduit boxes....		1	100	156	.80
85045	482	Straight molding work		1	100	156	.78

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NATIONAL METAL MOLDING



No. 383



No. 378

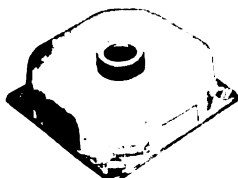


No. 375

BLANK COVERS

This cover is for use with No. 375 outlet box.

Trade No.	Mfra. No.	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
072993	383	20	40	4	\$0.05



No. 339

PORCELAIN COVERS

These covers are for use with the No. 375 box.

One-Hole					
072989	378	10	40	7	.10
Two-Hole					
072990	379	10	40	7	.10
Three-Hole					
072991	380	10	40	7	.10
Four-Hole					
072992	381	10	40	7	.10



No. 410

OUTLET BOXES

The No. 375 boxes are designed for all-round outlet purposes. Four twist-outs are provided for molding entrance but there is no conduit knock-out in its base.

072994	375*	20	120	25	.20
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DROP CORD BOXES

No. 339 outlet box is the same as No. 341 listed below, but is equipped with a 1/4-inch insulating bushing for drop cord work.

43201	339*	20	60	20	.25
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No. 341

FIXTURE BOXES

43203	410	10	100	40	.35
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JUNCTION BOXES

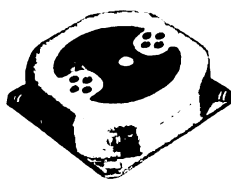
These fittings are designed for straight junction work only and are provided with four molding twist-outs and one 1/2-inch conduit knock-out in its base.

075226	341*	20	120	39	.25
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SNAP SWITCH BASES

Nos. 342 and 342R fittings are designed for mounting snap switches, rosettes and similar devices. The tongues shown in the illustration are standardized and two stove bolts and nuts are shipped with each fitting for the purpose. They are provided with four molding twist-outs and one 1/2-inch conduit knock-out in base.

10-ampere Size					
075227	342*	20	120	35	.25
5-ampere Size					
43202	342R*	20	120	35	.25

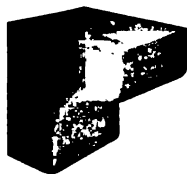


No. 342

CORNER BOXES

The fitting is provided with four twist-outs for molding entrance and with one 1/2-inch conduit knock-out in its base.

072999	376*	10	20	10	.25
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No. 376

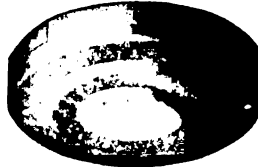
*IMPORTANT.—Bushing No. 377 must be used for entering fittings Nos. 339, 341, 342, 342R, 375 and 376 with molding, as the twist-outs are too small for direct entrance, and the use of the bushing is required by the Code.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

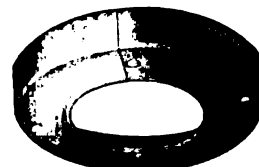
NATIONAL METAL MOLDING



No. 363



No. 363A



No. 363B

4½-INCH SPLIT TYPE ADAPTER PLATES

This plate is designed, in conjunction with covers Nos. 363A and 363B, to care for a troublesome detail of construction—the picking up and extensions of circuits from existing fixture outlets without removing or disturbing the fixture.

It is arranged with slots and holes through which it can be fastened to any 3 or 4-inch conduit outlet box with the cover screws provided in such boxes. A special yoke or bridge is also shipped with each plate through which it can be hung on any open cover, extension plate or plaster ring.

Trade No.	Mfrs. No.	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
064751	363	10	60	20	\$0.25

Use clamp bushing No. 377 to carry molding into bases.

4½-INCH BLANK COVERS, FOR No. 363 ADAPTER PLATE

These covers are designed for use with the No. 363 adapter plate, or the base plate of the No. 365 canopy base, at any point where a blank form of cover for these plates is desirable.

064749	363A	10	20	8	.15
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4½-INCH SPLIT TYPE OPEN COVERS, FOR No. 363 ADAPTER PLATE

These covers are made in split form for use in picking up a circuit at an existing fixture outlet without removing or disturbing the fixture.

064750	363B	10	40	15	.17
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In ordering Nos. 363A or 363B it must be borne in mind that they are covers only, not complete fittings, and that a corresponding number of No. 363 plates must be ordered with them.

CANOPY BASES

These canopy bases are designed to provide a standard form of outlet for installing fixtures on a straight metal molding job, the object of their large size being to form a base or seat for fixture canopies. One ⅛-inch and two ⅝-inch knock-outs are provided in the base plates of these canopies, in addition to the usual four molding twist-outs in the covers.

		4½-inch Diameter			
064747	365	10	40	30	.35

		6-inch Diameter			
064748	366	10	40	53	.50

Use clamp bushing No. 377 to carry molding into bases.

CONDUIT TO MOLDING TEES

Trade No.	Mfrs. No.	Size, In. Conduit	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
071178	405	½	10	20	15	\$0.35
43264	405A	¾	5	10	10	.40

MOLDING TO CONDUIT TEES

071179	411	½	10	20	10	.25
43265	411A	¾	10	10	6	.30

PORCELAIN COVERS FOR No. 404 ONLY

Trade No.	Mfrs. No.	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
074986	367	10	20	6	\$0.10

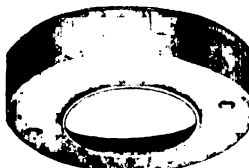
074987	368	10	20	6	.10
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MOLDING TO OPEN WORK COUPLINGS

074988	404	10	20	7	.18
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No. 365 Base Plate



No. 365 Cap



No. 405



No. 411



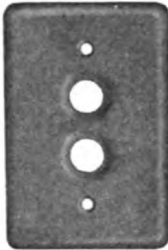
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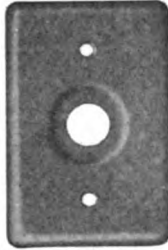
No. 404

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

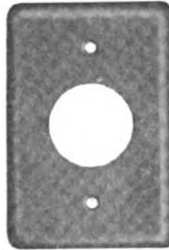
NATIONAL METAL MOLDING



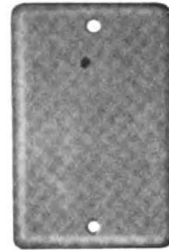
No. 451



No. 461



No. 447



No. 448

FLUSH SWITCH PLATES

These plates are furnished in sherardized finish only, as adapters are now made to fit all standard flush plates.

The openings in Nos. 451 and 461 are standardized for use with standard makes of push and rotary flush switches.

No. 447 is designed for use with Hubbell Flush Plug Receptacle No. 5547 and similar devices.

No. 448 is designed for use in case a switch or receptacle is removed for relocating and its original outlet used for a junction only.

Push Type

Trade No.	Mfrs. No.	Style	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
43249	451	Single	10	100	20	\$0.12
43250	452	Two-gang	10	100	20	.24
43251	453	Three-gang	10	100	20	.36

Rotary Type

43252	461	Single	10	100	20	.12
43253	462	Two-gang	10	100	20	.24
43254	463	Three-gang	10	100	20	.36

Plug Type

43255	447	Single	10	100	20	.12
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Blank Type

43256	448	Single	10	100	20	.12
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SINGLE FLUSH SWITCH ADAPTERS

Solid Type

These adapters are designed to care for the picking up and extension of circuits from existing flush switch, or receptacle outlets, without mutilating or disturbing the outlet further than to temporarily remove the switch or receptacle.

The base plate is arranged with two slots standardized to the spacing of the screws provided in standard flush switch or receptacle boxes for the mounting of such devices, and these screws are used in mounting the adapter at existing outlets of this class, the switches or receptacles being removed and remounted upon the cover of the adapter.

Adapters are made in size to fit all standard flush plates.

Trade No.	Mfrs. No.	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
43257	441*	10	100	40	\$0.27
43259	442*	10	100	80	.55

Two-Gang, Split Type

Two-Gang, Split Type

Two-Gang, Split Type

Two-Gang, Split Type

Two-Gang, Split Type

Two-Gang, Split Type

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Two-Gang, Split Type

Two-Gang, Split Type

Two-Gang, Split Type

Trade No.	Mfrs. No.	Style	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
43260	443*	Single	10	100	13	\$0.20
69272	444*	Two-gang	4	20	6	.40
69273	445*	Three-gang	2	4	1	.60
69274	446*	Four-gang	2	4	1	.80

COMBINATION FLUSH SWITCH ADAPTERS AND WALL BOXES

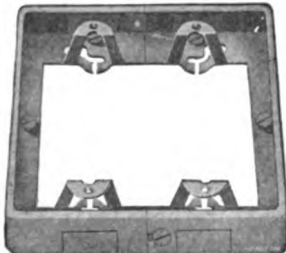
This fitting is designed for the installation of flush switches or receptacles on new metal molding jobs and is simply in the nature of a flush switch box with an adapter for National Metal Molding.

Trade No.	Mfrs. No.	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
43258	438*	10	20	20	\$0.40

*Use clamp bushing No. 377 to carry molding into Nos. 438, 441, 442, 443, 444, 445, and 446.



No. 441



No. 442



No. 443



No. 444



No. 438

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NATIONAL METAL MOLDING

CONDUIT TO MOLDING COUPLINGS

Nos. 401 and 401A

These fittings are designed for use in effecting a junction between National Metal Molding and any fitting having $\frac{1}{2}$ or $\frac{3}{4}$ -inch conduit knock-outs, such as a surface type panel box or any fitting having a $\frac{1}{2}$ or $\frac{3}{4}$ -inch tapped and threaded boss, such as a conduit.

Trade No.	Mfrs. No.	Size, In. Conduit	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
071174	401	$\frac{1}{2}$	30	60	8	\$0.15
43261	401A	$\frac{3}{4}$	10	20	3	.20

Nos. 402 and 402A

These fittings are designed for use as couplings between National Metal Molding and $\frac{1}{2}$ or $\frac{3}{4}$ -inch conduit. The $\frac{1}{2}$ -inch size in particular should be included in all stock orders, since its use is necessary, in most instances, in connection with the short lengths of conduit required for passing through floors in metal molding jobs.

Trade No.	Mfrs. No.	Size, In. Conduit	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
071175	402	$\frac{1}{2}$	30	60	10	.15
43262	402A	$\frac{3}{4}$	10	20	3	.20

CONDUIT TO MOLDING ELBOWS

Nos. 403 and 403A

These fittings are designed for use as elbow couplings between the National Metal Molding and $\frac{1}{2}$ or $\frac{3}{4}$ -inch conduit.

Trade No.	Mfrs. No.	Size, In. Conduit	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
071176	403	$\frac{1}{2}$	20	40	8	.18
43263	403A	$\frac{3}{4}$	10	20	4	.22

Nos. 417 and 417A

These fittings are designed for use in effecting an elbow junction between National Metal Molding and any type of fitting which is flushed into the wall, such as a flush type panel box, or from which an elbow exit is necessary, as in the case of coming out of a panel box mounted on the surface of a pillar and running back to and rising upon the pillar.

Trade No.	Mfrs. No.	Size, In. Conduit	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
071177	417	$\frac{1}{2}$	20	40	8	.18
43268	417A	$\frac{3}{4}$	10	20	4	.22

The base and capping of the molding is cut the same length where fittings Nos. 401, 401A, 402 and 402A are installed, but the base must be cut $\frac{3}{4}$ inch shorter when installing Nos. 403, 403A, 417 and 417A, to permit the capping to lap over and form a cap for these fittings.

90° ELBOW COUPLINGS

Right-Hand

Trade No.	Mfrs. No.	Size, In. Conduit	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
43270	415	$\frac{1}{2}$	10	50	15	.18

Left-Hand

Trade No.	Mfrs. No.	Size, In. Conduit	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
43271	416	$\frac{1}{2}$	10	50	15	.18

METAL TO WOOD MOLDING COUPLINGS

Trade No.	Mfrs. No.	Size, In. Conduit	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
43266	369	..	10	20	5	.15

GROUND CLAMPS

Trade No.	Mfrs. No.	Size, In. Conduit	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
074989	355	..	20	40	2	.06

STRAP CLAMPS

With Screw Hole

Trade No.	Mfrs. No.	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100
43272	428	100	1000	15	\$1.50
Single					
074990	345	100	1000	13	.75
Double					
074991	354	50	100	3	1.50
Single, with Base Plate					
43273	434	100	1000	30	3.60
Double, with Base Plate					
43274	435	50	200	8	4.50
Straight					
43267	425	100	1000	10	.75

No. 401
MaleNo. 402
FemaleNo. 403
FemaleNo. 417
Male

No. 415



No. 416



No. 369



No. 355



No. 428



No. 345



No. 354



No. 434



No. 435



No. 425

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NATIONAL METAL MOLDING -



No. 419



No. 420



No. 426



No. 427

TOGGLES

T Head, No. 419

Trade No.	Size Inches	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100
074993	1/8x4	50	100	6	\$7.50
074994	3/8x4	50	100	6	8.50
074995	1/4x4	50	100	8	9.00

Cone Head, No. 420

Trade No.	Size	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100
074996	1/2x2	100	500	5	3.00
074997	3/2x3	100	500	7	3.35
074998	3/2x4	100	500	9	3.70

SUSPENSION STRIPS

These suspension strips have been designed to permit the support of two or three parallel lines of National Metal Molding with one screw or bolt, and are provided with screws for fastening the molding to them and with a hole for the introduction of a supporting screw or bolt.



No. 2250



No. 2251



No. 414



No. 421



No. 344



No. 436

Trade No.	Mfrs. No.	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
43213	426	50	100	5	\$0.04
43214	427	20	50	5	.05 1/2

NATIONAL STAMPED STEEL HOLLOW CENTER FIXTURE STUDS

With Stove Bolts

Trade No.	Mfrs. No.	Size Thread	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100
43216	2250	1/4-in. female	250	1000	65	\$5.50
43217	2251	3/8-in. male	250	1000	65	5.00
43218	2252	1/2-in. male	250	1000	65	6.50
43219	2253	3/8-in. female	250	1000	65	7.00

ARMORED CABLE CONNECTORS

To molding coupling for Sizes 14FS, 12FS, 10FS, 14FS3, 12FS3, 14FSL, 12FSL, 8SL, 6S, 6SL, 14FM, 14FSL3 and 4S.

Trade No.	Mfrs. No.	Unit Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100
43221	414	10	20	3	\$20.00

EXPANSION SHIELDS

074992	421	100	100	2	6.50
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BASE COUPLINGS

040310	344	50	500	15	2.50
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FITTING COUPLINGS

43222	436	50	250	8	1.50
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SINGLE CLAMP BUSHING

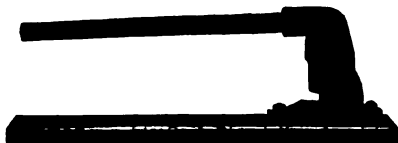
072998	377	50	200	8	3.50
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DOUBLE CLAMP BUSHING

43223	433	10	100	10	12.00
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LEVER TYPE HAND PUNCHES

The National Lever Type Punch is designed for easy, accurate punching of the keyhole slot required for the satisfactory, economical uses of all present National Metal Molding Fittings. This punch is shipped assembled on an oak base complete, with handle, as illustrated.



No. 418

Trade No.	Mfrs. No.	Weight Pounds	Price Each, Net
074999	418	12	\$3.25

LEVER TYPE HAND SHEARS

The National Lever Type Hand Shear is arranged to shear the base and capping separately, not assembled, the die block being provided with separate grooves for each, as shown in illustration.

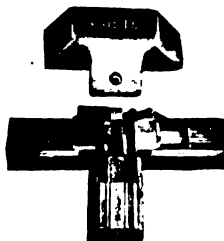


No. 422

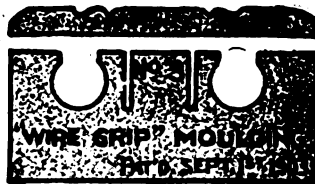
43220	422	8	2.75
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MOLDING AND TAPLETS



No. 4090



Wire Grip Molding

WIRE GRIP WOOD MOLDING

Mfrs. No.	No. of Grooves	Size of Groove Inches	PRICE, PER 1000 FEET				
			Softwood Painted White	Softwood Oak Stain	Softwood Unfinished	Hardwood Oak Stain	Hardwood Unfinished
3	2	1/4	\$22.50	\$20.50	\$19.00	\$19.00	\$18.00
4	3	1/4	30.50	28.50	27.00	26.50	25.00
5	2	3/8	28.50	26.50	25.00	26.50	25.00
6	3	3/8	36.50	34.50	33.00	35.00	34.00
7	2	1/2	32.50	30.50	29.00	31.00	30.00
8	3	1/2	47.00	44.00	42.00	46.00	44.00

PAISTE MOLDING TAPLETS

Molding taplets are used for making branches in either two or three-wire molding work. With them no soldering is necessary, as the branch wires come off from set screws.

They are made on the Fielding principle, and set on top of the molding base. The main wires are run through the taplet and skinned 1/4 inch to set under the contact screws, while the branch circuits are carried off in the branch molding from other contact screws.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
054340	4090	2-wire, single branch	250	130	\$0.30
054341	4091	3-wire, single branch	100	120	.45
054342	4092	3 to 2-wire, single branch	100	98	.40
054343	4093	3 to 2-wire, double branch	100	110	.60
054344	4094	2-wire, double branch	100	77	.45

Angle Taplets

The angle taplets are for use where wires come through side wall from an adjacent room, and it is desired to take off a branch down the wall at that point.

054345	4107	2-wire	50	40	.50
054346	4108	3-wire	50	50	.60

Corner Taplets

These corner taplets are for use at the corner of a room.

37345	4109	2-wire	50	50	.30
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Crossovers

This crossover is very simple, being a porcelain channel piece for the wire runways, with a neat porcelain cover over all.

054347	4095	2-wire crossing 2-wire	250	95	.15
054348	4096	3-wire crossing 3-wire	100	65	.20
054349	4097	2-wire crossing 3-wire	100	62	.20
054350	4098	3-wire crossing 2-wire	100	63	.20

Connectors

These connectors are to be used for straight through work where heretofore a splice has been necessary to continue the running of the wire.

054351	4099	2-wire	250	81	.25
054352	4100	3-wire	100	55	.35

OPEN WORK CROSSEOVERS

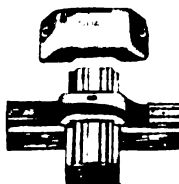
This crossover does away with the use of porcelain tubes or flexible loom where wires in open work cross each other. The insulator can be slipped into place after the wires are run and fastened, and it cannot become unfastened unless forced off. For making a crossover it requires four; for a branch, just one.

For Open or Cleat Wiring

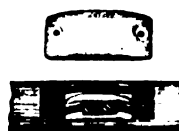
054353	5212	Single	250	29	.06
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No. 4109



No. 4095



No. 4099



No. 5212

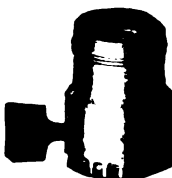
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE**NATIONAL ELECTRICAL CODE STANDARD**

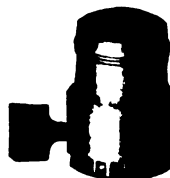
All of these New Wrinkle Bodies will Fit All of the New Wrinkle Caps and Bases on the Following Pages

SCHEDULE B**No. 13**
Keyless Socket
660 Watts, 250 Volts

Trade No.	Price Each
100719	\$0.23
Carton	Std. Pkg.
25	500

No. 10
S. P. Key Socket
250 Watts, 250 Volts

Trade No.	Price Each
100716	\$0.26
Carton	Std. Pkg.
25	500

No. 11
D. P. Key Socket
250 Watts, 250 Volts

Trade No.	Price Each
100717	\$0.26
Carton	Std. Pkg.
25	500

No. 12
Q. T. Key Socket
660 Watts, 250 Volts

Trade No.	Price Each
100718	\$0.29
Carton	Std. Pkg.
25	500

No. 14
Turn Socket
250 Watts, 250 Volts

Trade No.	Price Each
100720	\$0.53
Carton	Std. Pkg.
25	100

No. 15
Pull Socket
250 Watts, 250 Volts

Trade No.	Price Each
100721	\$0.53
Carton	Std. Pkg.
25	250

No. 16
Twin Pull Socket
Both Outlets Operate
On and Off Simultaneously
250 Watts, 250 Volts,

Trade No.	Price Each
100722	\$1.08
Carton	Std. Pkg.
10	20

No. 17 Twin Pull Socket
Side Outlet on All the Time,
Top Outlet On and Off.
250 Watts, 250 Volts, Top
Outlet. 660 Watts, 250 Volts
Side Outlet

Trade No.	Price Each
100723	\$1.08
Carton	Std. Pkg.
10	20

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

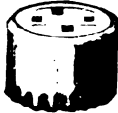
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE**NATIONAL ELECTRICAL CODE STANDARD**

All of these New Wrinkle Bodies will fit All of the New Wrinkle Caps and Bases on the Following Pages

SCHEDULE H

No. 29
Spartan Plug Receptacle
10 Amperes, 250 Volts



Trade No.	Price Each
105804	\$0.38
Carton	Std. Pkg.
10	20

No. 18
Key Wall Switch
3 Amperes, 125 Volts
1 Ampere, 250 Volts



Trade No.	Price Each
100734	\$0.26
Carton	Std. Pkg.
10	50

No. 19
Pull Wall Switch
3 Amperes, 125 Volts
1 Ampere, 250 Volts



Trade No.	Price Each
100735	\$0.53
Carton	Std. Pkg.
10	50

No. 22
Key Candle Switch
3 Amperes, 125 Volts
1 Ampere, 150 Volts



Trade No.	Price Each
100738	\$0.26
Carton	Std. Pkg.
10	50

No. 24
Pull Candle Switch
3 Amperes, 125 Volts
1 Ampere, 250 Volts



Trade No.	Price Each
100740	\$0.53
Carton	Std. Pkg.
10	50

No. 23
Turn Candle Switch
3 Amperes, 125 Volts
1 Ampere, 250 Volts



Trade No.	Price Each
100739	\$0.68
Carton	Std. Pkg.
10	30

No. 26
Rosette
3 Amperes, 250 Volts



Trade No.	Price Each
100742	\$0.13
Carton	Std. Pkg.
10	20

No. 25
Pull Switch Rosette
3 Amperes, 125 Volts
1 Ampere, 250 Volts



Trade No.	Price Each
100741	\$0.53
Carton	Std. Pkg.
10	50

No. 20
S. P. Pull
Celling Switch
3 Amperes, 125 Volts
1 Ampere, 250 Volts



Trade No.	Price Each
100736	\$0.53
Carton	Std. Pkg.
10	50

No. 27
Electrolux Pull
Celling Switch
Operating 1-2-1 & 2-Off
3 Amperes, 125 Volts
1 Ampere, 250 Volts



Trade No.	Price Each
121065	\$0.83
Carton	Std. Pkg.
10	50

No. 21
S. P. Pull
Fixture Switch
3 Amperes, 125 Volts
1 Ampere, 250 Volts



Trade No.	Price Each
100737	\$0.68
Carton	Std. Pkg.
10	50

No. 28
Electrolux Pull
Fixture Switch
Operating 1-2-1 & 2-Off
3 Amperes, 125 Volts
1 Ampere, 250 Volts



Trade No.	Price Each
121171	\$0.98
Carton	Std. Pkg.
10	50

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD

All of These NEW WRINKLE Caps Will Fit All of the NEW WRINKLE Bodies on the Following Pages

SCHEDULE B

No. AA
1/4-inch
Socket Cap

Trade No.	Price Each
100753	\$0.07
	Std.
Carton	Pkg.
25	500

No. AB
1/4-inch
Socket Cap

Trade No.	Price Each
100754	\$0.16
	Std.
Carton	Pkg.
25	100

No. AC
3/8-inch
Socket Cap

Trade No.	Price Each
100755	\$0.13
	Std.
Carton	Pkg.
25	250

No. AD
1/4-inch
Socket Cap

Trade No.	Price Each
100756	\$0.19
	Std.
Carton	Pkg.
25	50

No. AE
1/4-inch Male
Socket Cap

Trade No.	Price Each
100757	\$0.07
	Std.
Carton	Pkg.
25	100

No. AF
1/4-inch Male
Socket Cap

Trade No.	Price Each
100758	\$0.16
	Std.
Carton	Pkg.
25	50

No. AG
1/4-inch Male
Socket Cap

Trade No.	Price Each
100759	\$0.16
	Std.
Carton	Pkg.
25	100

No. AH
1/4-inch Male
Socket Cap

Trade No.	Price Each
100760	\$0.22
	Std.
Carton	Pkg.
25	50

No. AK
1/4-inch Fixture
Socket Cap

Trade No.	Price Each
100761	\$0.13
	Std.
Carton	Pkg.
25	100

No. AL
1/4-inch Fixture
Socket Cap

Trade No.	Price Each
100762	\$0.16
	Std.
Carton	Pkg.
25	100

No. AM
1/4-inch Angle
Socket Cap

Trade No.	Price Each
100763	\$0.12
	Std.
Carton	Pkg.
25	100

No. AN
1/4-inch Angle
Socket Cap

Trade No.	Price Each
100764	\$0.21
	Std.
Carton	Pkg.
25	50

No. AP
1/4-inch Angle
Socket Cap

Trade No.	Price Each
100765	\$0.18
	Std.
Carton	Pkg.
25	50

No. AR
1/4-inch Angle
Fixture Socket Cap

Trade No.	Price Each
100766	\$0.18
	Std.
Carton	Pkg.
25	50

No. AS
1/4-inch Angle
Fixture Socket Cap

Trade No.	Price Each
100767	\$0.21
	Std.
Carton	Pkg.
25	50

No. AT
Pendent
Socket Cap

Trade No.	Price Each
100768	\$0.07
	Std.
Carton	Pkg.
25	500

No. AU
Strain Relief
Socket Cap

Trade No.	Price Each
100769	\$0.07
	Std.
Carton	Pkg.
25	500

No. AV
Attachment
Plug

Trade No.	Price Each
100770	\$0.27
	Std.
Carton	Pkg.
10	50

The sale of New Wrinkle Interchangeable Devices as individual parts eliminates the labor of taking complete articles apart to interchange them. This wonderfully increases the efficiency of the line, at the same time reducing the stock investment. Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

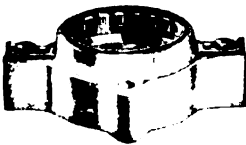











IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD

All of These NEW WRINKLE Bases Will Fit All of the NEW WRINKLE Bodies on the Following Pages

SCHEDULE B

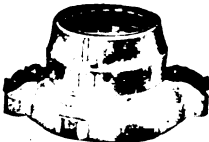
No. AW Cleat Socket Base		No. AX Slotted Socket Base		No. AY Small Concealed Socket Base		No. AZ Large Concealed Socket Base	
							
Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
100781	\$0.23	100782	\$0.18	100783	\$0.18	100784	\$0.23
Carton	Std. Pkg.	Carton	Std. Pkg.	Carton	Std. Pkg.	Carton	Std. Pkg.
10	250	10	100	10	250	10	100
No. BA Angle Concealed Socket Base		No. BB Wood Molding Socket Base		No. BW $\frac{1}{2}$ and $\frac{1}{4}$ -inch Taplet Socket Base		No. BC $\frac{1}{4}$ -inch Condulet Socket Base	
							
Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
100785	\$0.23	100786	\$0.18	100813	\$0.23	100787	\$0.23
Carton	Std. Pkg.	Carton	Std. Pkg.	Carton	Std. Pkg.	Carton	Std. Pkg.
10	100	10	100	10	100	10	100
No. BX $\frac{1}{4}$ -inch Condulet Socket Base		No. BD One-way National Socket Base		No. BE Two-way National Socket Base		No. BH Small Covered Socket Base	
							
Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
100814	\$0.23	100788	\$0.18	100789	\$0.18	100792	\$0.28
Carton	Std. Pkg.	Carton	Std. Pkg.	Carton	Std. Pkg.	Carton	Std. Pkg.
10	100	10	100	10	100	10	250

The sale of New Wrinkle Interchangeable Devices as individual parts eliminates the labor of taking complete articles apart to interchange them. This wonderfully increases the efficiency of the line, at the same time reducing the stock investment. Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE**NATIONAL ELECTRICAL CODE STANDARD**

All of These NEW WRINKLE Bases Will Fit All of the NEW WRINKLE Bodies on the Following Pages

SCHEDULE B**No. BK**
Large Covered
Socket BaseTrade
No. 100803
Price
Each \$0.37Std.
Pkg. 100
Carton
10**No. BL**
3¼-inch Box
Socket BaseTrade
No. 100804
Price
Each \$0.37Std.
Pkg. 100
Carton
10**No. BM**
4-inch Box
Socket BaseTrade
No. 100805
Price
Each \$0.67Std.
Pkg. 100
Carton
5**No. BN**
3¼-inch Pancake
Socket BaseTrade
No. 100806
Price
Each \$0.47Std.
Pkg. 50
Carton
10**No. BP**
4-inch Pancake
Socket BaseTrade
No. 100807
Price
Each \$0.77Std.
Pkg. 50
Carton
5**No. BR**
Concealed Rosette
Socket BaseTrade
No. 100808
Price
Each \$0.49Std.
Pkg. 50
Carton
10**No. BS**
Cleat Rosette
Socket BaseTrade
No. 100809
Price
Each \$0.49Std.
Pkg. 50
Carton
10**No. BT**
Two-wire Molding
Rosette
Socket BaseTrade
No. 100810
Price
Each \$0.49Std.
Pkg. 50
Carton
10**No. BU**
Three-wire Molding
Rosette
Socket BaseTrade
No. 100811
Price
Each \$0.49Std.
Pkg. 50
Carton
10**No. BV**
Combination
Rosette
Socket BaseTrade
No. 100812
Price
Each \$0.49Std.
Pkg. 50
Carton
10

The sale of New Wrinkle Interchangeable Devices as individual parts eliminates the labor of taking complete articles apart to interchange them. This wonderfully increases the efficiency of the line, at the same time reducing the stock investment. Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD


























KEYLESS SOCKETS

660 Watts, 250 Volts

SCHEDULE B



No. 13

	Mfrs. New No.	Mfrs. Old No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each	
	13		Body, without cap or base....	25	600	....	\$0.23	
	AA-13	59482	With 1/8-inch cap.....	25	500	115	.30	
	AB-13	7510	With 1/4-inch cap.....	25	250	65	.39	
	AC-13	59483	With 3/8-inch cap.....	25	250	65	.36	
	AD-13		With 1/2-inch cap.....	25	250	..	.42	
	AE-13		With 1/8-inch male cap.....	25	500	..	.30	
	AF-13		With 1/4-inch male cap.....	25	250	..	.39	
	AG-13	59485	With 3/8-inch male cap.....	25	250	70	.39	
	AH-13		With 1/2-inch male cap.....	25	250	..	.45	
	AK-13	7547	With 1/8-inch fixture cap.....	25	250	70	.36	
	AL-13	7549	With 1/4-inch fixture cap.....	25	250	70	.39	
	AM-13	7501	With 1/8-inch angle cap.....	25	100	28	.35	
	AN-13	7504	With 1/4-inch angle cap.....	25	100	28	.44	
	AP-13	7507	With 3/8-inch angle cap.....	25	100	31	.41	
	AR-13	7551	With 1/8-inch angle fixture cap.....	25	100	32	.41	
	AS-13	7553	With 1/4-inch angle fixture cap.....	25	100	32	.44	
	AT-13	59487	With pendent cap.....	25	500	105	.30	
	AU-13		With strain relief cap.....	25	500	....	.30	
	AV-13		With attachment plug.....	10	50	....	.50	
	AW-13	7535	With cleat base.....	10	250	140	.46	
	AX-13		With slotted base.....	10	250	....	.41	
	AY-13	66610	With small concealed base....	10	250	105	.41	
	AZ-13†		With large concealed base....	10	250	....	.46	
	BA-13	68225	With angle concealed base....	10	100	45	.46	
	BC-13	7531	With base for 3/8 and 1/2-inch condulets	10	250	120	.46	
	BX-13		With base for 3/4-inch condulets..	10	250	125	.46	
	BW-13		With base for 1/2 and 3/4-inch taplets	10	250	....	.46	
	BB-13	7533	With wood molding base.....	10	250	115	.41	
	BD-13	7517	With one-way National base..	10	250	110	.41	
	BE-13	7519	With two-way National base..	10	250	120	.41	
	BH-13	68137	With small covered base.....	10	250	105	.51	
	BK-13	68140	With large covered base.....	10	100	70	.60	
	BL-13	7514	With 3 1/4-inch box base.....	5	100	75	.60	
	BM-13	7555	With 4-inch box base.....	1	100	150	.90	
	BN-13	7537	With 3 1/4-inch pancake base..	5	100	85	.70	
	BP-13	7539	With 4-inch pancake base....	1	100	122	1.00	
	BR-13	68231†	With concealed rosette base....	10	50	47	.72	
	BS-13*	68232	With cleat rosette base.....	10	50	47	.72	
	BT-13	68233†	With two-wire molding rosette base	10	50	47	.72	
	BU-13	68234†	With three-wire molding rosette base	10	50	45	.72	
	BV-13	68235†	With combination rosette base	10	50	43	.72	

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

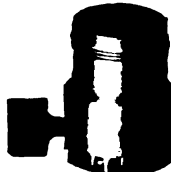
BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD

SINGLE-POLE KEY SOCKETS

250 Watts, 250 Volts

SCHEDULE B



No. 10

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

	Mfrs. New No.	Mfrs. Old No.	Description	Carton	Std. Pkg.	Wt. Lbs.	Price Std. Pkg. Each
	10	.....	Body, without cap or base....	25	500	...	\$0.26
	AA-10	59480	With 1/8-inch cap.....	25	500	139	.33
	AB-10	7509	With 1/4-inch cap.....	25	250	70	.42
	AC-10	59481	With 3/8-inch cap.....	25	250	70	.39
	AD-10	.....	With 1/2-inch cap.....	25	250	...	.45
	AE-10	.....	With 1/8-inch male cap.....	25	500	...	.33
	AF-10	.....	With 1/4-inch male cap.....	25	250	...	.42
	AG-10	59484	With 3/8-inch male cap.....	25	250	...	.42
	AH-10	.....	With 1/2-inch male cap.....	25	250	...	.48
	AK-10	7546	With 1/8-inch fixture cap.....	25	250	78	.39
	AL-10	7548	With 1/4-inch fixture cap.....	25	250	78	.42
	AM-10	7500	With 1/8-inch angle cap.....	25	100	30	.38
	AN-10	7503	With 1/4-inch angle cap.....	25	100	30	.47
	AP-10	7506	With 3/8-inch angle cap.....	25	100	33	.44
	AR-10	7550	With 1/8-inch angle fixture cap	25	100	35	.44
	AS-10	7552	With 1/4-inch angle fixture cap	25	100	35	.47
	AT-10	59486	With pendent cap.....	25	500	100	.33
	AU-10	.....	With strain relief cap.....	25	500	...	.33
	AV-10	462	With attachment plug.....	10	50	25	.63
	AW-10	7534	With cleat base.....	10	250	145	.49
	AX-10	.....	With slotted base.....	10	250	...	.44
	AY-10	66609	With small concealed base....	10	250	110	.44
	AZ-10†	.....	With large concealed base....	10	250	...	.49
	BA-10	68224	With angle concealed base....	10	100	50	.49
	BC-10	7530	With base for 3/8 and 1/2-inch condulets	10	250	125	.49
	BX-10	.....	With base for 3/4-inch condulets	10	250	125	.49
	BW-10	.....	With base for 1/2 and 3/4-inch taplets	10	250	...	.49
	BB-10	7532	With wood molding base.....	10	250	120	.44
	BD-10	7516	With one-way National base..	10	250	120	.44
	BE-10	7518	With two-way National base..	10	250	130	.44
	BH-10	68136	With small covered base.....	10	250	110	.54
	BK-10	68139	With large covered base.....	10	100	75	.63
	BL-10	7513	With 3/4-inch box base.....	5	100	80	.63
	BM-10	7554	With 4-inch box base.....	1	100	150	.93
	BN-10	7536	With 3 1/4-inch pancake base..	5	100	90	.73
	BP-10	7538	With 4-inch pancake base....	1	100	127	1.03
	BR-10	68226	†With concealed rosette base...	10	100	90	.75
	BS-10*	58227	With cleat rosette base.....	10	100	90	.75
	BT-10	68228	†With two-wire molding rosette base	10	100	90	.75
	BU-10	68229	†With three-wire molding rosette base	10	100	90	.75
	BV-10	68230	†With combination rosette base	10	100	90	.75

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.



BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD

DOUBLE-POLE KEY SOCKETS

250 Watts, 250 Volts

SCHEDULE B



No. 11

	Mfrs. New No.	Mfrs. Old No.	Description	Carton	Std. Wt., Pkg. Std. Pkg.	Lbs. Std. Pkg.	Price Each	
	11	....	Body, without cap or base...	25	500	...	\$0.26	
	AA-11	4480	With 1/8-inch cap.....	25	500	125	.33	
	AB-11	4509	With 1/4-inch cap.....	25	250	70	.42	
	AC-11	4481	With 3/8-inch cap.....	25	250	70	.39	
	AD-11	....	With 1/2-inch cap.....	25	250	...	.45	
	AE-11	....	With 1/8-inch male cap.....	25	500	...	.33	
	AF-11	....	With 1/4-inch male cap.....	25	250	...	.42	
	AG-11	4482	With 3/8-inch male cap.....	25	250	65	.42	
	AH-11	....	With 1/2-inch male cap.....	25	250	...	.48	
	AK-11	4546	With 1/8-inch fixture cap.....	25	250	78	.39	
	AL-11	4548	With 1/4-inch fixture cap.....	25	250	78	.42	
	AM-11	4500	With 1/8-inch angle cap.....	25	100	30	.38	
	AN-11	4503	With 1/4-inch angle cap.....	25	100	30	.47	
	AP-11	4506	With 3/8-inch angle cap.....	25	100	33	.44	
	AR-11	4550	With 1/8-inch angle fixture cap	25	100	35	.44	
	AS-11	4552	With 1/4-inch angle fixture cap	25	100	35	.47	
	AT-11	4483	With pendent cap.....	25	500	110	.33	
	AU-11	....	With strain relief cap.....	25	500	...	.33	
	AV-11	....	With attachment plug.....	10	50	...	.53	
	AW-11	4534	With cleat base.....	10	250	145	.49	
	AX-11	....	With slotted base.....	10	250	...	.44	
	AY-11	4484	With small concealed base...	10	250	110	.44	
	AZ-11†	....	With large concealed base...	10	250	...	.49	
	BA-11	4485	With angle concealed base...	10	100	50	.49	
	BC-11	4530	With base for 3/8 and 1/2-inch condulets	10	250	125	.49	
	BX-11	....	With base for 3/4-inch condulets.	10	250	125	.49	
	BW-11	....	With base for 1/2 and 3/4-inch taplets	10	250	...	.49	
	BB-11	4532	With wood molding base....	10	250	120	.44	
	BD-11	4516	With one-way National base.	10	250	120	.44	
	BE-11	4518	With two-way National base.	10	250	130	.44	
	BH-11	4486	With small covered base.....	10	250	110	.54	
	BK-11	4487	With large covered base.....	10	100	75	.63	
	BL-11	4513	With 3 1/4-inch box base....	5	100	80	.63	
	BM-11	4554	With 4-inch box base.....	1	100	150	.93	
	BN-11	4536	With 3 1/4-inch pancake base.	5	100	90	.73	
	BP-11	4538	With 4-inch pancake base...	1	100	127	1.03	
	BR-11	4488	†With concealed rosette base..	10	100	90	.75	
	BS-11*	4489	With cleat rosette base.....	10	100	90	.75	
	BT-11	4490	†With two-wire molding rosette base	10	100	90	.75	
	BU-11	4491	†With three-wire molding rosette base	10	100	90	.75	
	BV-11	4492	†With combination rosette base...	10	100	90	.75	

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

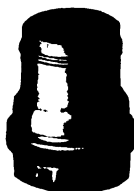
BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD









































TURN SOCKETS

250 Watts, 250 Volts

SCHEDULE B



No. 14

Mfrs No.	Description	Std. Wt., Lbs.		Price	
		Carton	Pkg.	Std. Pkg.	Each
	14	25	100	....	\$0.53
	AA-14	25	100	....	.60
	AB-14	25	50	....	.69
	AC-14	25	50	....	.66
	AD-14	25	50	....	.72
	AE-14	25	50	....	.60
	AF-14	25	50	....	.69
	AG-14	25	50	....	.69
	AH-14	25	50	....	.75
	AK-14	25	50	....	.66
	AL-14	25	50	....	.69
	AM-14	25	50	....	.65
	AN-14	25	50	....	.74
	AP-14	25	50	....	.71
	AR-14	25	50	....	.71
	AS-14	25	50	....	.74
	AT-14	25	50	....	.60
	AU-14	25	50	....	.60
	AV-14	10	20	....	.80
	AW-14	10	20	....	.76
	AX-14	10	20	....	.71
	AY-14	10	20	....	.71
	AZ-14†	10	20	....	.76
	BA-14	10	20	....	.76
	BC-14	10	20	....	.76
	BX-14	10	20	....	.76
	BW-14	10	20	....	.76
	BB-14	10	20	....	.71
	BD-14	10	20	....	.71
	BE-14	10	20	....	.71
	BH-14	10	20	....	.81
	BK-14	10	20	....	.90
	BL-14	5	20	....	.90
	BM-14	1	20	....	1.20
	BN-14	5	20	....	1.00
	BP-14	1	20	....	1.30
	BR-14	10	10	....	1.02
	BS-14*	10	10	....	1.02
	BT-14	10	10	....	1.02
	BU-14	10	10	....	1.02
	BV-14	10	10	....	1.02

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD

PULL SOCKETS

250 Watts, 250 Volts

SCHEDULE B



No. 15

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

	Mfrs. New No.	Mfrs. Old No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Std. Pkg. Each
	15		Body without cap or base ..	25	250	..	\$0.53
	AA-15	65250	With 1/4-inch cap	25	250	65	.60
	AB-15	4511	With 1/4-inch cap	25	100	27	.69
	AC-15	65251	With 3/8-inch cap	25	100	30	.66
	AD-15		With 1/2-inch cap	25	50	..	.72
	AE-15		With 1/8-inch male cap	25	250	..	.60
	AF-15		With 1/4-inch male cap	25	100	..	.69
	AG-15	4512	With 3/8-inch male cap	25	100	30	.69
	AH-15		With 1/2-inch male cap	25	50	..	.75
	AK-15	4547	With 1/8-inch fixture cap	25	100	34	.66
	AL-15	4549	With 1/4-inch fixture cap	25	100	34	.69
	AM-15	4502	With 1/4-inch angle cap	25	50	18	.65
	AN-15	4505	With 1/4-inch angle cap	25	50	18	.74
	AP-15	4508	With 3/8-inch angle cap	25	50	22	.71
	AR-15	4551	With 1/8-inch angle fixture cap	25	50	20	.71
	AS-15	4553	With 1/4-inch angle fixture cap	25	50	20	.74
	AT-15	65252	With pendent cap	25	250	60	.60
	AU-15		With strain relief cap	25	250	..	.60
	AV-15	463	With attachment plug	10	50	25	.80
	AW-15	4535	With cleat base	10	100	62	.76
	AX-15		With slotted base	10	100	..	.71
	AY-15	66611	With small concealed base	10	100	35	.71
	AZ-15†		With large concealed base	10	100	..	.76
	BA-15	68236	With angle concealed base	10	50	25	.78
	BC-15	4531	With base for 3/8 and 1/2-inch condulets	10	100	50	.76
	BX-15		With base for 3/4-inch conduit	10	100	50	.76
	BW-15		With base for 1/2 and 3/4-inch taplets	10	100	..	.78
	BB-15	4533	With wood molding base	10	100	45	.71
	BD-15	4517	With one-way National base	10	100	45	.71
	BE-15	4519	With two-way National base	10	100	50	.71
	BH-15	68138	With small covered base	10	100	30	.81
	BK-15	68128	With large covered base	10	50	35	.90
	BL-15	4515	With 3 1/4-inch box base	5	50	40	.90
	BM-15	4555	With 4-inch box base	1	50	85	1.20
	BN-15	4537	With 3 1/4-inch pancake base	5	50	45	1.00
	BP-15	4539	With 4-inch pancake base	1	50	70	1.30
	BR-15	68237	†With concealed rosette base	10	20	15	1.02
	BS-15*	68238	With cleat rosette base	10	20	15	1.02
	BT-15	68239	†With two-wire molding rosette base	10	20	15	1.02
	BU-15	68240	†With three-wire molding rosette base	10	20	15	1.02
	BV-15	68241	†With combination rosette base	10	20	15	1.02

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

Sockets are regularly furnished with 8 inches of chain.

BRYANT-PERKINS NEW WRINKLE LINE

TWIN PULL SOCKETS

250 Watts, 250 Volts

Both Outlets Operate On and Off Simultaneously

SCHEDULE B



		No. 16							
Mfrs. New No.	Mfrs. Old No.	Description	Carton	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each			
	16	Body, without cap or base.	10	20		\$1.08			
AA-16	4501	With 1/8-inch cap.	10	20		1.15			
AB-16		With 1/4-inch cap.	10	20		1.24			
AC-16		With 3/8-inch cap.	10	20		1.21			
AD-16		With 1/2-inch cap.	10	20		1.27			
AE-16		With 1/8-inch male cap.	10	20		1.15			
AF-16		With 1/4-inch male cap.	10	20		1.24			
AG-16		With 3/8-inch male cap.	10	20		1.24			
AH-16		With 1/2-inch male cap.	10	20		1.30			
AK-16		With 1/8-inch fixture cap.	10	20		1.21			
AL-16		With 1/4-inch fixture cap.	10	20		1.24			
AM-16		With 1/8-inch angle cap.	10	20		1.20			
AN-16		With 1/4-inch angle cap.	10	20		1.29			
AP-16		With 3/8-inch angle cap.	10	20		1.26			
AR-16		With 1/8-inch angle fixture cap.	10	20		1.26			
AS-16		With 1/4-inch angle fixture cap.	10	20		1.29			
AT-16		With pendent cap.	10	20		1.15			
AU-16		With strain relief cap.	10	20		1.15			
AV-16	4507	With attachment plug.	10	20		1.35			
AW-16		With cleat base.	10	20		1.31			
AX-16		With slotted base.	10	20		1.26			
AY-16		With small concealed base.	10	20		1.26			
AZ-16*		With large concealed base.	10	20		1.31			
BA-16		With angle concealed base.	10	20		1.31			
BC-16		With base for 3/8 and 1/2-inch condulets.	10	20		1.31			
BX-16		With base for 3/4-inch condulets.	10	20		1.31			
BW-16		With base for 1/2 and 3/4-inch taplets.	10	20		1.31			
BB-16		With wood molding base.	10	20		1.26			
BD-16		With one-way National base.	10	20		1.26			
BE-16		With two-way National base.	10	20		1.26			
BH-16		With small covered base.	10	20		1.36			
BK-16		With large covered base.	10	20		1.45			
BL-16		With 3 1/4-inch box base.	5	20		1.45			
BM-16		With 4-inch box base.	1	20		1.75			
BN-16		With 3 1/4-inch pancake base.	5	20		1.55			
BP-16		With 4-inch pancake base.	1	20		1.85			
BR-16		With concealed rosette base.	10	10		1.57			
BS-16		With cleat rosette base.	10	10		1.57			
BT-16		With two-wire molding rosette base.	10	10		1.57			
BU-16		With three-wire molding rosette base.	10	10		1.57			
BV-16		With combination rosette base.	10	10		1.57			

*This base is suitable for attachment to No. 500 Adaptiboxes.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

Bodies are regularly furnished with 8 inches of chain.

*This base is suitable for attachment to No. 500 Adaptiboxes.
Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

Bodies are regularly furnished with 8 inches of chain.









IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD
TWIN PULL SOCKETS—SCHEDULE BTop Outlet, 250 Watts, 250 Volts—Side Outlet, 660 Watts, 250 Volts
Side Outlet On All the Time: Top Outlet On and Off

No. 17

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

	Mfrs. New No.	Mfrs. Old No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Std. Pkg. Each	
	17	.....	Body, without cap or base..	10	20	....	\$1.08	
	AA-17	4504	With 1/8-inch cap.....	10	20	....	1.15	
	AB-17	.....	With 1/4-inch cap.....	10	20	....	1.24	
	AC-17	.....	With 3/8-inch cap.....	10	20	....	1.21	
	AD-17	.....	With 1/2-inch cap.....	10	20	....	1.27	
	AE-17	.....	With 1/8-inch male cap.....	10	20	....	1.15	
	AF-17	.....	With 1/4-inch male cap.....	10	20	....	1.24	
	AG-17	.....	With 3/8-inch male cap.....	10	20	....	1.24	
	AH-17	.....	With 1/2-inch male cap.....	10	20	....	1.30	
	AK-17	.....	With 1/8-inch fixture cap....	10	20	....	1.21	
	AL-17	.....	With 1/4-inch fixture cap....	10	20	....	1.24	
	AM-17	.....	With 1/8-inch angle cap.....	10	20	....	1.20	
	AN-17	.....	With 1/4-inch angle cap.....	10	20	....	1.29	
	AP-17	.....	With 3/8-inch angle cap.....	10	20	....	1.26	
	AR-17	.....	With 1/8-inch angle fixture cap..	10	20	....	1.26	
	AS-17	.....	With 1/4-inch angle fixture cap..	10	20	....	1.29	
	AT-17	.....	With pendent cap.....	10	20	....	1.15	
	AU-17	.....	With strain relief cap.....	10	20	....	1.15	
	AV-17	4510	With attachment plug.....	10	20	....	1.35	
	AW-17	.....	With cleat base.....	10	20	....	1.31	
	AX-17	.....	With slotted base.....	10	20	....	1.26	
	AY-17	.....	With small concealed base..	10	20	....	1.26	
	AZ-17†	.....	With large concealed base..	10	20	....	1.31	
	BA-17	.....	With angle concealed base..	10	20	....	1.31	
	BC-17	.....	With base for 3/8 and 1/2-inch condulets.	10	20	....	1.31	
	BX-17	.....	With base for 3/4-inch condulets ..	10	20	....	1.31	
	BW-17	.....	With base for 1/2 and 3/4-inch tablets.	10	20	....	1.31	
	BB-17	.....	With wood molding base....	10	20	....	1.26	
	BD-17	.....	With one-way National base.	10	20	....	1.26	
	BE-17	.....	With two-way National base.	10	20	....	1.26	
	BH-17	.....	With small covered base....	10	20	....	1.36	
	BK-17	.....	With large covered base....	10	20	....	1.45	
	BL-17	.....	With 3 1/4-inch box base....	5	20	....	1.45	
	BM-17	.....	With 4-inch box base.....	1	20	....	1.75	
	BN-17	.....	With 3 1/4-inch pancake base..	5	20	....	1.55	
	BP-17	.....	With 4-inch pancake base ..	1	20	....	1.85	
	BR-17	.....	†With concealed rosette base..	10	10	....	1.57	
	BS-17*	.....	With cleat rosette base.....	10	10	....	1.57	
	BT-17	.....	†With two-wire molding rosette base..	10	10	....	1.57	
	BU-17	.....	†With three-wire molding rosette base.	10	10	....	1.57	
	BV-17	.....	†With combination rosette base	10	10	....	1.57	

*Approved rating 2 amperes, 125 volts. †This base is suitable for attachment to No. 500 Adaptiboxes. ‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass furnished without extra charge. Sockets are regularly furnished with 8 inches of chain.



BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD

ROSETTES

3 Amperes, 250 Volts

SCHEDULE H



No. 26

	Mfrs. New No.	Mfrs. Old No.	Description	Carton Pkg.	Std. Wt., Lbs. Std. Pkg.	Price Each	
	26		Body, without cap or base.....	10	20	\$0.13	
	AA-26		With 1/8-inch cap.....	10	20	.20	
	AB-26		With 1/4-inch cap.....	10	20	.29	
	AC-26		With 3/8-inch cap.....	10	20	.26	
	AD-26		With 1/2-inch cap.....	10	20	.32	
	AE-26		With 1/8-inch male cap.....	10	20	.20	
	AF-26		With 1/4-inch male cap.....	10	20	.29	
	AG-26		With 3/8-inch male cap.....	10	20	.29	
	AH-26		With 1/2-inch male cap.....	10	20	.35	
	AK-26		With 1/8-inch fixture cap.....	10	20	.26	
	AL-26		With 1/4-inch fixture cap.....	10	20	.29	
	AM-26		With 1/8-inch angle cap.....	10	20	.25	
	AN-26		With 1/4-inch angle cap.....	10	20	.34	
	AP-26		With 3/8-inch angle cap.....	10	20	.31	
	AR-26		With 1/8-inch angle fixture cap.....	10	20	.31	
	AS-26		With 1/4-inch angle fixture cap.....	10	20	.34	
	AT-26		With pendent cap.....	10	20	.20	
	AU-26		With strain relief cap.....	10	20	.20	
	AV-26		With attachment plug.....	10	20	.40	
	AW-26		With cleat base.....	10	20	.36	
	AX-26		With slotted base.....	10	20	.31	
	AY-26		With small concealed base.....	10	20	.31	
	AZ-26†		With large concealed base.....	10	20	.36	
	BA-26		With angle concealed base.....	10	20	.36	
	BC-26		With base for 3/8 and 1/2-inch condulets	10	20	.36	
	BX-26		With base for 3/4-inch condulets	10	20	.36	
	BW-26		With base for 1/2 and 3/4-inch taplets	10	20	.36	
	BB-26		With wood molding base.....	10	20	.31	
	BD-26	401	With one-way National base...	10	20	.31	
	BE-26	402	With two-way National base ..	10	20	.31	
	BH-26		With small covered base.....	10	20	.41	
	BK-26		With large covered base.....	10	20	.50	
	BL-26		With 3 1/4-inch box base.....	5	20	.50	
	BM-26		With 4-inch box base.....	1	20	.80	
	BN-26	457	With 3 1/4-inch pancake base...	5	20	.60	
	BP-26	458	With 4-inch pancake base.....	1	20	.90	
	BR-26		†With concealed rosette base.....	10	10	.62	
	BS-26*		With cleat rosette base.....	10	10	.62	
	BT-26		†With two-wire molding rosette base	10	10	.62	
	BU-26		†With three-wire molding rosette base	10	10	.62	
	BV-26		†With combination rosette base.....	10	10	.62	

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD
PULL SWITCH ROSETTES1 Ampere, 250 Volts—3 Amperes, 125 Volts
SCHEDULE H

No. 25

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

	Mfrs. New No.	Mfrs. Old No.	Description	Carton	Std. Wt., Lbs.	Price Std. Pkg. Each	
	25	.....	Body, without cap or base.....	10	50	..... \$0.53	
	AA-25	.....	With 1/8-inch cap.....	10	20	..... .60	
	AB-25	.....	With 1/4-inch cap.....	10	20	..... .69	
	AC-25	.....	With 3/8-inch cap.....	10	20	..... .66	
	AD-25	.....	With 1/2-inch cap.....	10	20	..... .72	
	AE-25	.....	With 1/8-inch male cap.....	10	20	..... .60	
	AF-25	.....	With 1/4-inch male cap.....	10	20	..... .69	
	AG-25	.....	With 3/8-inch male cap.....	10	20	..... .69	
	AH-25	.....	With 1/2-inch male cap.....	10	20	..... .75	
	AK-25	.....	With 1/8-inch fixture cap.....	10	20	..... .66	
	AL-25	.....	With 1/4-inch fixture cap.....	10	20	..... .69	
	AM-25	.....	With 1/8-inch angle cap.....	10	20	..... .65	
	AN-25	.....	With 1/4-inch angle cap.....	10	20	..... .74	
	AP-25	.....	With 3/8-inch angle cap.....	10	20	..... .71	
	AR-25	.....	With 1/8-inch angle fixture cap.....	10	20	..... .71	
	AS-25	.....	With 1/4-inch angle fixture cap.....	10	20	..... .74	
	AT-25	.....	With pendent cap.....	10	20	..... .60	
	AU-25	.....	With strain relief cap.....	10	20	..... .60	
	AV-25	464	With attachment plug.....	10	20	5 .80	
	AW-25	422	With cleat base.....	10	20	20 .76	
	AX-25	.....	With slotted base.....	10	20	..... .71	
	AY-25	395	With small concealed base.....	10	20	18 .71	
	AZ-25†	.....	With large concealed base.....	10	20	..... .76	
	BA-25	.....	With angle concealed base.....	10	20	..... .76	
	BC-25	461	With base for 3/8 and 1/2-inch condulets.....	10	20	20 .76	
	BX-25	.....	With base for 3/4-inch condulets.....	10	20	20 .76	
	BW-25	.....	With base for 1/2 and 3/4-inch taplets.....	10	20	..... .76	
	BB-25	423	With wood molding base.....	10	20	20 .71	
	BD-25	.....	With one-way National base.....	10	20	..... .71	
	BE-25	.....	With two-way National base.....	10	20	..... .71	
	BH-25	.....	With small covered base.....	10	20	..... .81	
	BK-25	393	With large covered base.....	10	20	25 .90	
	BL-25	.....	With 3 1/4-inch box base.....	5	20	..... .90	
	BM-25	.....	With 4-inch box base.....	1	20	..... 1.20	
	BN-25	.....	With 3 1/4-inch pancake base.....	5	20	..... 1.00	
	BP-25	.....	With 4-inch pancake base.....	1	20	..... 1.30	
	BR-25	414	†With concealed rosette base.....	10	20	25 1.02	
	BS-25*	415	With cleat rosette base.....	10	20	25 1.02	
	BT-25	416	†With two-wire molding rosette base.....	10	20	25 1.02	
	BU-25	417	†With three-wire molding rosette base.....	10	20	25 1.02	
	BV-25	418	†With combination rosette base.....	10	20	25 1.02	

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

Bodies are regularly furnished with short chain and 10 feet of linen cord. Extra cord, 1 cent list per foot.



BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD

KEY WALL SWITCHES

3 Amperes, 125 Volts—1 Ampere, 250 Volts

SCHEDULE H



No. 18

	Mfra. New No.	Mfra. Old No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each	
	18		Body, without cap or base.....	10	50	....	\$0.26	
	AA-18	424	With 1/8-inch cap.....	10	50	....	.33	
	AB-18		With 1/4-inch cap.....	10	20	....	.42	
	AC-18		With 3/8-inch cap.....	10	20	....	.39	
	AD-18		With 1/2-inch cap.....	10	20	....	.45	
	AE-18		With 1/8-inch male cap.....	10	20	....	.33	
	AF-18		With 1/4-inch male cap.....	10	20	....	.42	
	AG-18		With 3/8-inch male cap.....	10	20	....	.42	
	AH-18		With 1/2-inch male cap.....	10	20	....	.48	
	AK-18		With 1/8-inch fixture cap.....	10	20	....	.39	
	AL-18		With 1/4-inch fixture cap.....	10	20	....	.42	
	AM-18		With 1/8-inch angle cap.....	10	20	....	.38	
	AN-18		With 1/4-inch angle cap.....	10	20	....	.47	
	AP-18		With 3/8-inch angle cap.....	10	20	....	.44	
	AR-18		With 1/8-inch angle fixture cap.....	10	20	....	.44	
	AS-18		With 1/4-inch angle fixture cap.....	10	20	....	.47	
	AT-18		With pendent cap.....	10	20	....	.33	
	AU-18		With strain relief cap.....	10	20	....	.33	
	AV-18		With attachment plug.....	10	20	....	.53	
	AW-18		With cleat base.....	10	20	....	.49	
	AX-18		With slotted base.....	10	20	....	.44	
	AY-18		With small concealed base.....	10	20	....	.44	
	AZ-18†		With large concealed base.....	10	20	....	.49	
	BA-18		With angle concealed base.....	10	20	....	.49	
	BC-18		With base for 3/8 and 1/2-inch condulets.....	10	20	....	.49	
	BX-18		With base for 3/4-inch condulets.....	10	20	....	.49	
	BW-18		With base for 1/2 and 3/4-inch taplets.....	10	20	....	.49	
	BB-18		With wood molding base.....	10	20	....	.44	
	BD-18		With one-way National base.....	10	20	....	.44	
	BE-18		With two-way National base.....	10	20	....	.44	
	BH-18		With small covered base.....	10	20	....	.64	
	BK-18		With large covered base.....	10	20	....	.63	
	BL-18		With 3 1/4-inch box base.....	5	20	....	.63	
	BM-18		With 4-inch box base.....	1	20	....	.93	
	BN-18		With 3 1/4-inch pancake base.....	5	20	....	.73	
	BP-18		With 4-inch pancake base.....	1	20	....	1.03	
	BR-18		†With concealed rosette base.....	10	10	....	.75	
	BS-18*		With cleat rosette base.....	10	10	....	.75	
	BT-18		†With two-wire molding rosette base.....	10	10	....	.75	
	BU-18		†With three-wire molding rosette base.....	10	10	....	.75	
	BV-18		†With combination rosette base.....	10	10	....	.75	

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD

PULL WALL SWITCHES

3 Amperes, 125 Volts—1 Ampere, 250 Volts

SCHEDULE H



No. 19

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

	Mfrs. New No.	Mfrs. Old No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each	
	19		Body, without cap or base.....	10	50		\$0.53	
	AA-19	371	With 1/8-inch cap.....	10	50	20	.60	
	AB-19		With 1/4-inch cap.....	10	20		.69	
	AC-19		With 3/8-inch cap.....	10	20		.68	
	AD-19		With 1/2-inch cap.....	10	20		.72	
	AE-19		With 1/8-inch male cap.....	10	20		.60	
	AF-19		With 1/4-inch male cap.....	10	20		.69	
	AG-19		With 3/8-inch male cap.....	10	20		.69	
	AH-19		With 1/2-inch male cap.....	10	20		.75	
	AK-19		With 1/8-inch fixture cap.....	10	20		.66	
	AL-19		With 1/4-inch fixture cap.....	10	20		.69	
	AM-19		With 1/8-inch angle cap.....	10	20		.65	
	AN-19		With 1/4-inch angle cap.....	10	20		.74	
	AP-19		With 3/8-inch angle cap.....	10	20		.71	
	AR-19		With 1/8-inch angle fixture cap.....	10	20		.71	
	AS-19		With 1/4-inch angle fixture cap.....	10	20		.74	
	AT-19		With pendent cap.....	10	20		.60	
	AU-19		With strain relief cap.....	10	20		.60	
	AV-19		With attachment plug.....	10	20		.80	
	AW-19		With cleat base.....	10	20		.76	
	AX-19		With slotted base.....	10	20		.71	
	AY-19	372	With small concealed base.....	10	20	25	.71	
	AZ-19†		With large concealed base.....	10	20		.76	
	BA-19		With angle concealed base.....	10	20		.76	
	BC-19		With base for 3/8 and 1/2-inch condulets.....	10	20		.76	
	BX-19		With base for 3/4-inch condulets.....	10	20		.76	
	BW-19		With base for 1/2 and 3/4-inch condulets.....	10	20		.76	
	BB-19		With wood molding base.....	10	20		.71	
	BD-19		With one-way National base.....	10	20		.71	
	BE-19		With two-way National base.....	10	20		.71	
	BH-19	373	With small covered base.....	10	50		.81	
	BK-19		With large covered base.....	10	20		.90	
	BL-19		With 3 1/4-inch box base.....	5	20		.90	
	BM-19		With 4-inch box base.....	1	20		1.20	
	BN-19		With 3 1/4-inch pancake base.....	5	20		1.00	
	BP-19		With 4-inch pancake base.....	1	20		1.30	
	BR-19		†With concealed rosette base.....	10	10		1.02	
	BS-19*		†With cleat rosette base.....	10	10		1.02	
	BT-19		†With two-wire molding rosette base.....	10	10		1.02	
	BU-19		†With three-wire molding rosette base.....	10	10		1.02	
	BV-19		†With combination rosette base.....	10	10		1.02	

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

Bodies are regularly furnished with short chain and 10 feet of linen cord. Extra cord, 1 cent list per foot.

BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD

S. P. PULL CEILING SWITCHES—SCHEDULE H

3 Amperes, 125 Volts—1 Ampere, 250 Volts



No. 20

	Mfrs. New No.	Mfrs. Old No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pk.	Price Each	
	20	....	Body, without cap or base.....	10	50	....	\$0.53	
	AA-20	406	With 1/8-inch cap.....	10	50	22	.60	
	AB-20	....	With 1/4-inch cap.....	10	20	....	.69	
	AC-20	....	With 3/8-inch cap.....	10	20	....	.66	
	AD-20	....	With 1/2-inch cap.....	10	20	....	.72	
	AE-20	....	With 1/8-inch male cap.....	10	20	....	.60	
	AF-20	....	With 1/4-inch male cap.....	10	20	....	.69	
	AG-20	....	With 3/8-inch male cap.....	10	20	....	.69	
	AH-20	....	With 1/2-inch male cap.....	10	20	....	.75	
	AK-20	....	With 1/8-inch fixture cap.....	10	20	....	.66	
	AL-20	....	With 1/4-inch fixture cap.....	10	20	....	.69	
	AM-20	....	With 1/8-inch angle cap.....	10	20	....	.65	
	AN-20	....	With 1/4-inch angle cap.....	10	20	....	.74	
	AP-20	....	With 3/8-inch angle cap.....	10	20	....	.71	
	AR-20	....	With 1/8-inch angle fixture cap.....	10	20	....	.71	
	AS-20	....	With 1/4-inch angle fixture cap.....	10	20	....	.74	
	AT-20	....	With pendent cap.....	10	20	....	.60	
	AU-20	....	With strain relief cap.....	10	20	....	.60	
	AV-20	....	With attachment plug.....	10	20	....	.80	
	AW-20	....	With cleat base.....	10	20	....	.76	
	AX-20	....	With slotted base.....	10	20	....	.71	
	AY-20	407	With small concealed base.....	10	20	28	.71	
	AZ-20†	....	With large concealed base.....	10	20	....	.76	
	BA-20	....	With angle concealed base.....	10	20	....	.76	
	BC-20	....	With base for 3/8 and 1/2-inch condulets.....	10	20	....	.76	
	BX-20	....	With base for 3/4-inch conduit.....	10	20	....	.76	
	BW-20	....	With base for 1/2 and 3/4-inch taplets.....	10	20	....	.76	
	BB-20	....	With wood molding base.....	10	20	....	.71	
	BD-20	....	With one-way National base.....	10	20	....	.71	
	BE-20	....	With two-way National base.....	10	20	....	.71	
	BH-20	408	With small covered base.....	10	20	28	.81	
	BK-20	....	With large covered base.....	10	20	....	.90	
	BL-20	....	With 3 1/4-inch box base.....	5	20	....	.90	
	BM-20	....	With 4-inch box base.....	1	20	....	1.20	
	BN-20	....	With 3 1/4-inch pancake base.....	5	20	....	1.00	
	BP-20	....	With 4-inch pancake base.....	1	20	....	1.30	
	BR-20	....	†With concealed rosette base.....	10	10	....	1.02	
	BS-20*	....	With cleat rosette base.....	10	10	....	1.02	
	BT-20	....	†With two-wire molding rosette base.....	10	10	....	1.02	
	BU-20	....	†With three-wire molding rosette base.....	10	10	....	1.02	
	BV-20	....	†With combination rosette base.....	10	10	....	1.02	

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass furnished without extra charge.

Bodies are regularly furnished with short chain and 10 feet of linen cord. Extra cord, 1 cent list per foot.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE
NATIONAL ELECTRICAL CODE STANDARD
ELECTROLIER PULL CEILING SWITCHES—SCHEDULE H
 Operating 1, 2, 1 and 2, off
 3 Amperes, 125 Volts—1 Ampere, 250 Volts



No. 27

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Mfrs. No.	Description	Std. Carton	Wt., Lbs.	Price Each
27	Body, without cap or base.....	10	50	\$.83
AA-27	With 1/8-inch cap.....	10	50	.90
AB-27	With 1/4-inch cap.....	10	20	.99
AC-27	With 3/8-inch cap.....	10	20	.96
AD-27	With 1/2-inch cap.....	10	20	1.02
AE-27	With 1/8-inch male cap.....	10	20	.90
AF-27	With 1/4-inch male cap.....	10	20	.99
AG-27	With 3/8-inch male cap.....	10	20	.99
AH-27	With 1/2-inch male cap.....	10	20	1.05
AK-27	With 1/8-inch fixture cap.....	10	20	.96
AL-27	With 1/4-inch fixture cap.....	10	20	.99
AM-27	With 1/8-inch angle cap.....	10	20	.95
AN-27	With 1/4-inch angle cap.....	10	20	1.04
AP-27	With 3/8-inch angle cap.....	10	20	1.01
AR-27	With 1/2-inch angle fixture cap.....	10	20	1.01
AS-27	With 1/4-inch angle fixture cap.....	10	20	1.04
AT-27	With pendent cap.....	10	20	.90
AU-27	With strain relief cap.....	10	20	.90
AV-27	With attachment plug.....	10	20	1.10
AW-27	With cleat base.....	10	20	1.06
AX-27	With slotted base.....	10	20	1.01
AY-27	With small concealed base.....	10	20	1.01
AZ-27†	With large concealed base.....	10	20	1.06
BA-27	With angle concealed base.....	10	20	1.06
BC-27	With base for 3/8 and 1/2-inch condulets ..	10	20	1.06
BX-27	With base for 3/4-inch conduit.....	10	20	1.06
BW-27	With base for 1/2 and 3/4-inch taplets.....	10	20	1.06
BB-27	With wood molding base.....	10	20	1.01
BD-27	With one-way National base.....	10	20	1.01
BE-27	With two-way National base.....	10	20	1.01
BH-27	With small covered base.....	10	20	1.11
BK-27	With large covered base.....	10	20	1.20
BL-27	With 3 1/4-inch box base.....	5	20	1.20
BM-27	With 4-inch box base.....	1	20	1.50
BN-27	With 3 1/4-inch pancake base.....	5	20	1.30
BP-27	With 4-inch pancake base.....	1	20	1.60
BR-27	†With concealed rosette base.....	10	10	1.32
BS-27*	With cleat rosette base.....	10	10	1.32
BT-27	†With two-wire molding rosette base..	10	10	1.32
BU-27	†With three-wire molding rosette base..	10	10	1.32
BV-27	†With combination rosette base.....	10	10	1.32

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, furnished without extra charge.

Bodies are regularly furnished with short chain and 10 feet of linen cord. Extra cord, 1 cent list per foot.


























BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD
S. P. PULL FIXTURE SWITCHES—SCHEDULE H
3 Amperes, 125 Volts—1 Ampere—250 Volts



No. 21

Mfrs. No.	Description	Std.		Wt., Lbs.		Price
		Carton Pkg.	Std. Pkg.	Std.	Pkg.	Each
	21 Body, without cap or base.....	10	50	....	....	\$0.68
	AA-21 With 1/8-inch cap.....	10	50	....	....	.75
	AB-21 With 1/4-inch cap.....	10	20	....	....	.84
	AC-21 With 3/8-inch cap.....	10	20	....	....	.81
	AD-21 With 1/2-inch cap.....	10	20	....	....	.87
	AE-21 With 1/8-inch male cap.....	10	20	....	....	.75
	AF-21 With 1/4-inch male cap.....	10	20	....	....	.84
	AG-21 With 3/8-inch male cap.....	10	20	....	....	.84
	AH-21 With 1/2-inch male cap.....	10	20	....	....	.90
	AK-21 With 1/8-inch fixture cap.....	10	20	....	....	.81
	AL-21 With 1/4-inch fixture cap.....	10	20	....	....	.84
	AM-21 With 1/8-inch angle cap.....	10	20	....	....	.80
	AN-21 With 1/4-inch angle cap.....	10	20	....	....	.89
	AP-21 With 3/8-inch angle cap.....	10	20	....	....	.86
	AR-21 With 1/8-inch angle fixture cap.....	10	20	....	....	.86
	AS-21 With 1/4-inch angle fixture cap.....	10	20	....	....	.89
	AT-21 With pendant cap.....	10	20	....	....	.75
	AU-21 With strain relief cap.....	10	20	....	....	.75
	AV-21 With attachment plug.....	10	20	....	....	.95
	AW-21 With cleat base.....	10	20	....	....	.91
	AX-21 With slotted base.....	10	20	....	....	.86
	AY-21 With small concealed base.....	10	20	....	....	.86
	AZ-21† With large concealed base.....	10	20	....	....	.91
	BA-21 With angle concealed base.....	10	20	....	....	.91
	BC-21 With base for 3/8 and 1/2-inch condulets..	10	20	....	....	.91
	BX-21 With base for 3/4-inch conduit.....	10	20	....	....	.91
	BW-21 With base for 1/2 and 3/4-inch taplets.	10	20	....	....	.91
	BB-21 With wood molding base.....	10	20	....	....	.86
	BD-21 With one-way National base.....	10	20	....	....	.86
	BE-21 With two-way National base.....	10	20	....	....	.86
	BH-21 With small covered base.....	10	20	....	....	.96
	BK-21 With large covered base.....	10	20	....	....	1.05
	BL-21 With 3 1/4-inch box base.....	5	20	....	....	1.05
	BM-21 With 4-inch box base.....	1	20	....	....	1.35
	BN-21 With 3 1/4-inch pancake base.....	5	20	....	....	1.15
	BP-21 With 4-inch pancake base.....	1	20	....	....	1.45
	BR-21 †With concealed rosette base.....	10	10	....	....	1.17
	BS-21* With cleat rosette base.....	10	10	....	....	1.17
	BT-21 †With two-wire molding rosette base.	10	10	....	....	1.17
	BU-21 †With three-wire molding rosette base	10	10	....	....	1.17
	BV-21 †With combination rosette base.....	10	10	....	....	1.17

*Approved rating 2 amperes, 125 volts. †This base is suitable for attachment to No. 500 Adaptiboxes. ‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge. Bodies furnished with short chain and 10 feet of linen cord. Extra cord, 1 cent list per foot.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD
ELECTROLIER PULL FIXTURE SWITCHES—SCHEDULE H
Operating 1, 2, 1 and 2, off 3 Amperes, 125Volts—1 Ampere, 250 Volts



No. 28

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Std. Pkg. Each
28	Body, without cap or base	10	50		\$0.98
AA-28	With $\frac{1}{8}$ -inch cap	10	50		1.05
AB-28	With $\frac{1}{4}$ -inch cap	10	20		1.14
AC-28	With $\frac{3}{8}$ -inch cap	10	20		1.11
AD-28	With $\frac{1}{2}$ -inch cap	10	20		1.17
AE-28	With $\frac{1}{8}$ -inch male cap	10	20		1.05
AF-28	With $\frac{1}{4}$ -inch male cap	10	20		1.14
AG-28	With $\frac{3}{8}$ -inch male cap	10	20		1.14
AH-28	With $\frac{1}{2}$ -inch male cap	10	20		1.20
AK-28	With $\frac{1}{8}$ -inch fixture cap	10	20		1.11
AL-28	With $\frac{1}{4}$ -inch fixture cap	10	20		1.14
AM-28	With $\frac{1}{8}$ -inch angle cap	10	20		1.10
AN-28	With $\frac{1}{4}$ -inch angle cap	10	20		1.19
AP-28	With $\frac{3}{8}$ -inch angle cap	10	20		1.16
AR-28	With $\frac{1}{8}$ -inch angle fixture cap	10	20		1.16
AS-28	With $\frac{1}{4}$ -inch angle fixture cap	10	20		1.19
AT-28	With pendent cap	10	20		1.05
AU-28	With strain relief cap	10	20		1.05
AV-28	With attachment plug	10	20		1.25
AW-28	With cleat base	10	20		1.21
AX-28	With slotted base	10	20		1.16
AY-28	With small concealed base	10	20		1.16
AZ-28†	With large concealed base	10	20		1.21
BA-28	With angle concealed base	10	20		1.21
BC-28	With base for $\frac{3}{8}$ and $\frac{1}{2}$ -inch condulets	10	20		1.21
BX-28	With base for $\frac{3}{4}$ -inch condulets	10	20		1.21
BW-28	With base for $\frac{1}{2}$ and $\frac{3}{4}$ -inch taplet	10	20		1.21
BB-28	With wood molding base	10	20		1.16
BD-28	With one-way National base	10	20		1.16
BE-28	With two-way National base	10	20		1.16
BH-28	With small covered base	10	20		1.28
BK-28	With large covered base	10	20		1.35
BL-28	With $\frac{3}{4}$ -inch box base	5	20		1.35
BM-28	With 4-inch box base	1	20		1.65
BN-28	With $\frac{3}{4}$ -inch pancake base	5	20		1.45
BP-28	With 4-inch pancake base	1	20		1.75
BR-28 †	With concealed rosette base	10	10		1.47
BS-28*	With cleat rosette base	10	10		1.47
BT-28 †	With two-wire molding rosette base	10	10		1.47
BU-28 †	With three-wire molding rosette base	10	10		1.47
BV-28 †	With combination rosette base	10	10		1.47

*Approved rating 2 amperes, 125 volts. †This base is suitable for attachment to No. 500 Adaptiboxes. ‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass furnished without extra charge.
Bodies furnished with short chain and 10 ft. of linen cord.
Extra cord, 1 cent list per ft.

BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD

KEY CANDLE SWITCHES

3 Amperes, 125 Volts—1 Ampere, 250 Volts

SCHEDULE H



No. 22

	Mfrs. New No.	Mfrs. Old No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each	
	22		Body, without cap or base...	10	50	...	\$0.26	
	AA-22	425	With 1/8-inch cap...	10	50	...	.33	
	AB-22		With 1/4-inch cap...	10	20	...	.42	
	AC-22		With 3/8-inch cap...	10	20	...	.39	
	AD-22		With 1/2-inch cap...	10	20	...	.45	
	AE-22		With 3/8-inch male cap...	10	20	...	.33	
	AF-22		With 1/4-inch male cap...	10	20	...	.42	
	AG-22		With 3/8-inch male cap...	10	20	...	.42	
	AH-22		With 1/2-inch male cap...	10	20	...	.48	
	AK-22		With 3/8-inch fixture cap...	10	20	...	.39	
	AL-22		With 1/4-inch fixture cap...	10	20	...	.42	
	AM-22		With 3/8-inch angle cap...	10	20	...	.38	
	AN-22		With 1/4-inch angle cap...	10	20	...	.47	
	AP-22		With 3/8-inch angle cap...	10	20	...	.44	
	AR-22		With 3/8-inch angle fixture cap...	10	20	...	.44	
	AS-22		With 1/4-inch angle fixture cap...	10	20	...	.47	
	AT-22		With pendent cap...	10	20	...	.33	
	AU-22		With strain relief cap...	10	20	...	.33	
	AV-22		With attachment plug...	10	20	...	.53	
	AW-22		With cleat base...	10	20	...	.49	
	AX-22		With slotted base...	10	20	...	.44	
	AY-22		With small concealed base...	10	20	...	.44	
	AZ-22†		With large concealed base...	10	20	...	.49	
	BA-22		With angle concealed base...	10	20	...	.49	
	BC-22		With base for 3/8 and 1/2-inch condulets...	10	20	...	.49	
	BX-22		With base for 3/4-inch condulets...	10	20	...	.49	
	BW-22		With base for 1/2 and 3/4-inch taplets...	10	20	...	.49	
	BB-22		With wood molding base...	10	20	...	.44	
	BD-22		With one-way National base...	10	20	...	.44	
	BE-22		With two-way National base...	10	20	...	.44	
	BH-22		With small covered base...	10	20	...	.54	
	BK-22		With large covered base...	10	20	...	.63	
	BL-22		With 3 1/4-inch box base...	5	20	...	.63	
	BM-22		With 4-inch box base...	1	20	...	.93	
	BN-22		With 3 1/4-inch pancake base...	5	20	...	.73	
	BP-22		With 4-inch pancake base...	1	20	...	1.03	
	BR-22		†With concealed rosette base...	10	10	...	.75	
	BS-22*		With cleat rosette base...	10	10	...	.75	
	BT-22		†With two-wire molding rosette base...	10	10	...	.75	
	BU-22		†With three-wire molding rosette base...	10	10	...	.75	
	BV-22		†With combination rosette base...	10	10	...	.75	

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD
PULL CANDLE SWITCHES

3 Amperes, 125 Volts—1 Ampere, 250 Volts

SCHEDULE H



No. 24

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

	Mfrs. No.	Description	Car- ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each	
	24	Body, without cap or base	10	50	...	\$0.53	
	AA-24	With 1/8-in. cap.	10	50	...	.60	
	AB-24	With 1/4-in. cap.	10	20	...	.69	
	AC-24	With 3/8-in. cap.	10	20	...	.66	
	AD-24	With 1/2-in. cap.	10	20	...	.72	
	AE-24	With 1/8-in. male cap.	10	20	...	.60	
	AF-24	With 1/4-in. male cap.	10	20	...	.69	
	AG-24	With 3/8-in. male cap.	10	20	...	.69	
	AH-24	With 1/2-in. male cap.	10	20	...	.75	
	AK-24	With 1/8-in. fixture cap.	10	20	...	.66	
	AL-24	With 1/4-in. fixture cap.	10	20	...	.69	
	AM-24	With 1/8-in. angle cap.	10	20	...	.65	
	AN-24	With 1/4-in. angle cap.	10	20	...	.74	
	AP-24	With 3/8-in. angle cap.	10	20	...	.71	
	AR-24	With 1/8-in. angle fixture cap.	10	20	...	.71	
	AS-24	With 1/4-in. angle fixture cap.	10	20	...	.74	
	AT-24	With pendent cap.	10	20	...	.60	
	AU-24	With strain relief cap.	10	20	...	.60	
	AV-24	With attachment plug.	10	20	...	.80	
	AW-24	With cleat base.	10	20	...	.76	
	AX-24	With slotted base.	10	20	...	.71	
	AY-24	With small concealed base.	10	20	...	.71	
	AZ-24	†With large concealed base.	10	20	...	.76	
	BA-24	With angle concealed base.	10	20	...	.76	
	BC-24	With base for 3/8 and 1/2-in. condulets.	10	20	...	.76	
	BX-24	With base for 3/4-inch condulets.	10	20	...	.76	
	BW-24	With base for 1/2 and 3/4-in. taplets.	10	20	...	.76	
	BB-24	With wood molding base.	10	20	...	.71	
	BD-24	With one-way National base.	10	20	...	.71	
	BE-24	With two-way National base.	10	20	...	.71	
	BH-24	With small covered base.	10	20	...	.81	
	BK-24	With large covered base.	10	20	...	.90	
	BL-24	With 3 1/4-inch box base.	5	20	...	.90	
	BM-24	With 4-inch box base.	1	20	...	1.20	
	BN-24	With 3 1/4-inch pancake base.	5	20	...	1.00	
	BP-24	With 4-inch pancake base.	1	20	...	1.30	
	BR-24	†With concealed rosette base.	10	10	...	1.02	
	BS-24	*With cleat rosette base.	10	10	...	1.02	
	BT-24	†With two-wire molding rosette base.	10	10	...	1.02	
	BU-24	†With three-wire molding rosette base.	10	10	...	1.02	
	BV-24	†With combination rosette base.	10	10	...	1.02	

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

Bodies are regularly furnished with 8-inch chain.



BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD

















































TURN CANDLE SWITCHES

3 Amperes, 125 Volts—1 Ampere, 250 Volts

SCHEDULE H



No. 23

	Mfrs. New No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each	
	23	Body, without cap or base.....	10	30	....	\$0.68	
	AA-23	With 1/8-inch cap.....	10	10	....	.75	
	AB-23	With 1/4-inch cap.....	10	10	....	.84	
	AC-23	With 3/8-inch cap.....	10	10	....	.81	
	AD-23	With 1/2-inch cap.....	10	10	....	.87	
	AE-23	With 1/8-inch male cap.....	10	10	....	.75	
	AF-23	With 1/4-inch male cap.....	10	10	....	.84	
	AG-23	With 3/8-inch male cap.....	10	10	....	.84	
	AH-23	With 1/2-inch male cap.....	10	10	....	.90	
	AK-23	With 1/8-inch fixture cap.....	10	10	....	.81	
	AL-23	With 1/4-inch fixture cap.....	10	10	....	.84	
	AM-23	With 1/8-inch angle cap.....	10	10	....	.80	
	AN-23	With 1/4-inch angle cap.....	10	10	....	.89	
	AP-23	With 3/8-inch angle cap.....	10	10	....	.86	
	AR-23	With 1/8-inch angle fixture cap..	10	10	....	.86	
	AS-23	With 1/4-inch angle fixture cap..	10	10	....	.89	
	AT-23	With pendent cap.....	10	10	....	.75	
	AU-23	With strain relief cap.....	10	10	....	.75	
	AV-23	With attachment plug.....	10	10	....	.95	
	AW-23	With cleat base.....	10	10	....	.91	
	AX-23	With slotted base.....	10	10	....	.86	
	AY-23	With small concealed base.....	10	10	....	.86	
	AZ-23†	With large concealed base.....	10	10	....	.91	
	BA-23	With angle concealed base.....	10	10	....	.91	
	BC-23	With base for 3/8 and 1/2-inch condulets	10	10	....	.91	
	BX-23	With base for 3/4-inch condulets.	10	10	....	.91	
	BW-23	With base for 1/2 and 3/4-inch taplets	10	10	....	.91	
	BB-23	With wood molding base.....	10	10	....	.86	
	BD-23	With one-way National base....	10	10	....	.86	
	BE-23	With two-way National base....	10	10	....	.86	
	BH-23	With small covered base.....	10	10	....	.96	
	BK-23	With large covered base.....	10	10	....	1.05	
	BL-23	With 3/4-inch box base.....	5	10	....	1.05	
	BM-23	With 4-inch box base.....	1	10	....	1.35	
	BN-23	With 3 1/4-inch pancake base....	5	10	....	1.15	
	BP-23	With 4-inch pancake base.....	1	10	....	1.45	
	BR-23 ‡	With concealed rosette base.....	10	10	....	1.17	
	BS-23*	With cleat rosette base.....	10	10	....	1.17	
	BT-23 ‡	With two-wire molding rosette base.	10	10	....	1.17	
	BU-23 ‡	With three-wire molding rosette base	10	10	....	1.17	
	BV-23 ‡	With combination rosette base..	10	10	....	1.17	

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS NEW WRINKLE LINE

NATIONAL ELECTRICAL CODE STANDARD

SPARTAN PLUG RECEPTACLES

10 Amperes, 250 Volts

SCHEDULE H



No. 29

These receptacles will receive all of the Spartan line of caps.

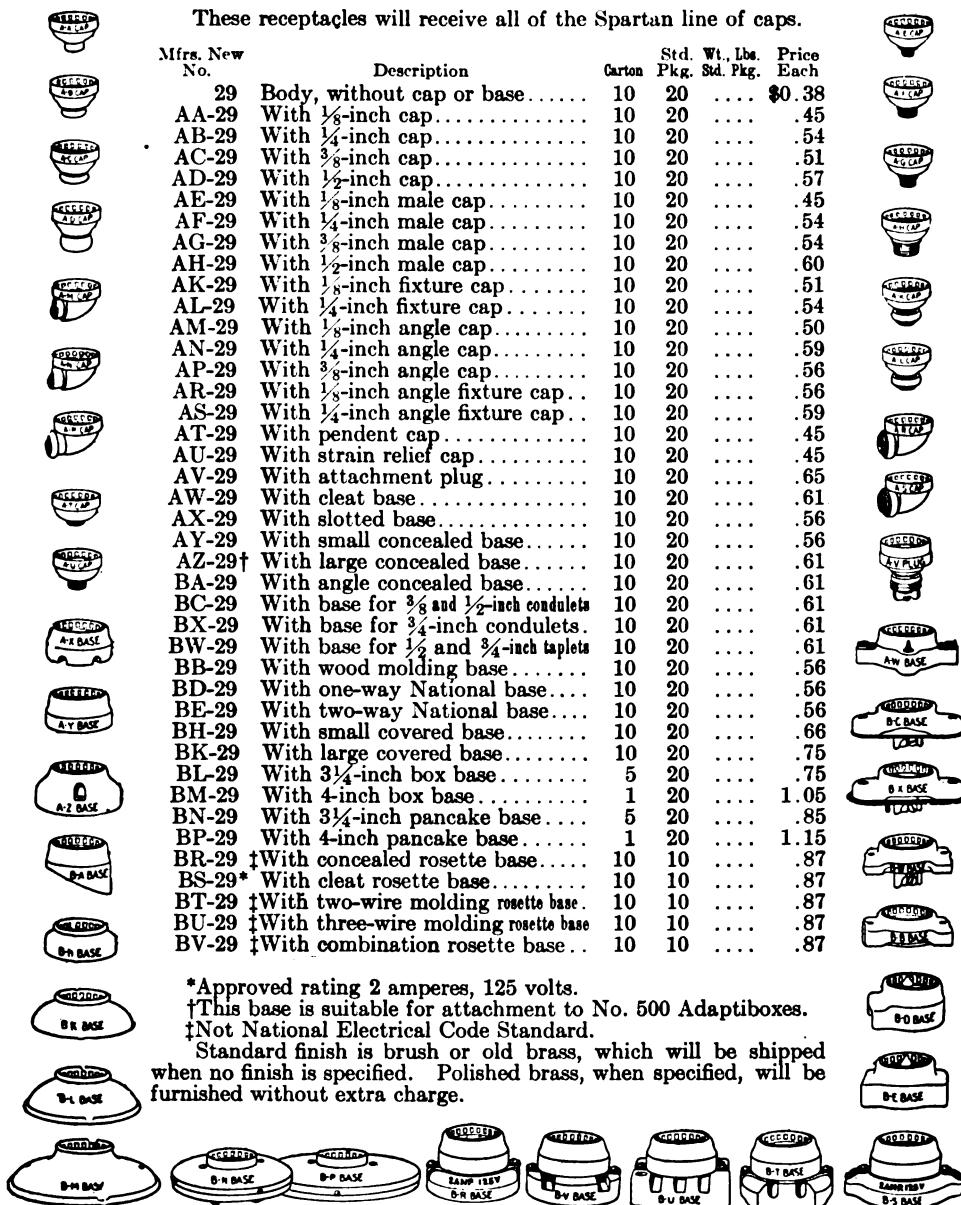
Mfrs. New No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Each
29	Body, without cap or base.....	10	20	....	\$0.38
AA-29	With $\frac{1}{8}$ -inch cap.....	10	20	....	.45
AB-29	With $\frac{1}{4}$ -inch cap.....	10	20	....	.54
AC-29	With $\frac{3}{8}$ -inch cap.....	10	20	....	.51
AD-29	With $\frac{1}{2}$ -inch cap.....	10	20	....	.57
AE-29	With $\frac{1}{8}$ -inch male cap.....	10	20	....	.45
AF-29	With $\frac{1}{4}$ -inch male cap.....	10	20	....	.54
AG-29	With $\frac{3}{8}$ -inch male cap.....	10	20	....	.54
AH-29	With $\frac{1}{2}$ -inch male cap.....	10	20	....	.60
AK-29	With $\frac{1}{8}$ -inch fixture cap.....	10	20	....	.51
AL-29	With $\frac{1}{4}$ -inch fixture cap.....	10	20	....	.54
AM-29	With $\frac{1}{8}$ -inch angle cap.....	10	20	....	.50
AN-29	With $\frac{1}{4}$ -inch angle cap.....	10	20	....	.59
AP-29	With $\frac{3}{8}$ -inch angle cap.....	10	20	....	.56
AR-29	With $\frac{1}{2}$ -inch angle fixture cap..	10	20	....	.56
AS-29	With $\frac{1}{4}$ -inch angle fixture cap..	10	20	....	.59
AT-29	With pendent cap.....	10	20	....	.45
AU-29	With strain relief cap.....	10	20	....	.45
AV-29	With attachment plug.....	10	20	....	.65
AW-29	With cleat base.....	10	20	....	.61
AX-29	With slotted base.....	10	20	....	.56
AY-29	With small concealed base.....	10	20	....	.56
AZ-29†	With large concealed base.....	10	20	....	.61
BA-29	With angle concealed base.....	10	20	....	.61
BC-29	With base for $\frac{3}{8}$ and $\frac{1}{2}$ -inch condulets	10	20	....	.61
BX-29	With base for $\frac{3}{4}$ -inch condulets.	10	20	....	.61
BW-29	With base for $\frac{1}{2}$ and $\frac{3}{4}$ -inch taplets	10	20	....	.61
BB-29	With wood molding base.....	10	20	....	.56
BD-29	With one-way National base....	10	20	....	.56
BE-29	With two-way National base....	10	20	....	.56
BH-29	With small covered base.....	10	20	....	.66
BK-29	With large covered base.....	10	20	....	.75
BL-29	With $3\frac{1}{4}$ -inch box base.....	5	20	....	.75
BM-29	With 4-inch box base.....	1	20	....	1.05
BN-29	With $3\frac{1}{4}$ -inch pancake base....	5	20	....	.85
BP-29	With 4-inch pancake base.....	1	20	....	1.15
BR-29 †	With concealed rosette base....	10	10	....	.87
BS-29*	With cleat rosette base.....	10	10	....	.87
BT-29 †	With two-wire molding rosette base.	10	10	....	.87
BU-29 †	With three-wire molding rosette base	10	10	....	.87
BV-29 †	With combination rosette base..	10	10	....	.87

*Approved rating 2 amperes, 125 volts.

†This base is suitable for attachment to No. 500 Adaptiboxes.

‡Not National Electrical Code Standard.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS SPECIAL SOCKETS

NATIONAL ELECTRICAL CODE STANDARD

SOCKETS WITH EXTRA LONG KEYS



Long Key

All standard key sockets have keys $\frac{7}{8}$ inch long, but, can be fitted with keys $1\frac{1}{4}$, $1\frac{1}{2}$, 2 and $2\frac{1}{2}$ inches long on special order, which must specify distance between outside of shell and end of handle, at an additional cost of 5 cents added to list prices of standard sockets. Standard package, 100 of one length.

On orders for sockets with extra long keys, where the length is not given, it is our rule to ship $1\frac{1}{2}$ -inch.

1-inch keys take the same price and standard package as regular. Sockets with $\frac{7}{8}$ -inch and 1-inch keys may be assorted to make up standard package quantity.

SOCKETS WITH METAL KEYS



Metal Key

We are prepared to fit to any key socket a metal key. This key is detachable, so that it may be given the same finish as the socket or fixture. The standard metal key measures $\frac{3}{4}$ inch from the end to the shell. Longer keys will be furnished on special order.

Sockets with metal keys not longer than 1 inch, add 7 cents to list price of standard socket. Sockets with metal keys longer than 1 inch, add 12 cents to list price of standard socket. Standard package, 100 of one length.

SOCKETS WITH SPECIAL METAL KEYS



For Special Metal Key

Sockets can be furnished with extension keys, designed to receive a special key, furnished by the fixture manufacturer, to match the fixture, at an additional cost of \$0.07 added to list price of standard sockets.

The threaded metal part of the extension key is thoroughly insulated from the other parts of the socket. The screw is $\frac{1}{4}$ inch in diameter, 26 threads. Standard package, 100.

PULL SOCKETS WITH EXTENSION CHAIN GUIDE



Chain Guide Extension

Pull sockets installed in husks or socket covers require extension chain guides (necessitating only a small hole in cover) to carry the chain free of cover and shade. The chain guide is not attached to the socket shell but to the socket mechanism. It is detachable and separable and can be removed for refinishing. By carrying a stock of various lengths of guides it is possible to convert the standard sockets into sockets with extension guides, making it unnecessary to carry a stock of completed sockets with various lengths of chain guides attached. The portion of the extension chain guide which is attached to socket extends less than $\frac{1}{8}$ inch outside of socket shell, making it possible to insert the socket in any husk, no matter how closely it follows the outline of shell. Extension chain guides of following lengths furnished: $\frac{3}{8}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$ and $1\frac{1}{2}$ inches.

Add 12 cents to list price for either assembled in sockets or loose. Standard package quantity, 50 of one length or 100 of assorted lengths.

Sockets with extension chain guides may not be combined with sockets having regular chain guides to make up a standard package quantity.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION

BRYANT-PERKINS SPECIAL SOCKETS

PULL SOCKETS WITH CHAINS OF SPECIAL LENGTHS

The standard length of chain on all pull sockets, except miniature and candelabra, is 8 inches. Sockets with chains shorter than 8 inches will be billed at the same price as regular. For sockets with chains longer than 8 inches, add 10 cents per foot to list price. For special finishes on chains longer than 8 inches, add 2 cents per foot to list price.

PULL SOCKETS WITH SILK CORD

Pull sockets can be furnished with silk cord in any desired color instead of chain. For sockets with cords not longer than 8 inches, add 5 cents to list price. For sockets with cords longer than 8 inches, add 15 cents per foot to list price.

PULL SOCKETS WITH LINEN CORD

Pull sockets can be furnished with a short chain and 3 feet of linen cord, complete with ball, similar to that regularly furnished with pull switch rosettes, without extra charge. For cords longer than 3 feet, add 1 cent per foot to list price.

PULL SOCKETS WITH INSULATED CHAIN

Pull sockets can be furnished with insulated chain, accomplished by inserting a piece of fiber rod in the chain about 2 inches below the chain guide. For sockets so equipped, add 15 cents to the list price. The standard package quantity will be the same as for the standard socket in connection with which the chain is ordered.

PULL SOCKET CHAINS AND PARTS—SCHEDULE H

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Oz. Std. Pkg.	Price Each
088190	...	Bead chain (per foot).....	...	1000 ft.	..	\$0.05
088191	510	Splicing link.....	200	200	4	.02½
088192	512	Snap-lock ball.....	250	250	12	.06
088193	513	Insulating link.....	100	100	6	.08

Standard finish on the above is brush or old brass, which will be supplied when no other finish is specified. All other finishes will be special and charged extra as follows: Chain, 2 cents per foot; balls and links, 2 cents each.

All New Wrinkle and Wrinklet Pull Sockets are supplied with the No. 512 ball. It may be detached and attached with the utmost ease, when necessary, but cannot be detached by any strain to which it will be subjected in service, no matter how severe.

CHAIN GUIDES—SCHEDULE H

The standard chain guide, when sold separately from the socket, will list at 5 cents. Standard package, 250.

Extension chain guides, when sold separately, will list at 12 cents. Standard package, 50 of one length or 100 of assorted lengths.

For special finishes on chain guides add 2 cents to list price.

SOCKETS FOR MAZDA GAS-FILLED LAMPS—SCHEDULE B

Sockets for Mazda C gas-filled lamps must be waxed with a compound which will not soften under heat. The mogul base sockets are regularly so made. For medium base sockets to be used with these lamps add 3 cents to list price.

SOCKETS WITH LAMP GRIP—SCHEDULE B

All mogul base sockets and most medium base sockets can be equipped with a lamp grip, as illustrated, which effectually prevents the lamp from accidentally unscrewing. For sockets so equipped add 5 cents to list price.

SOCKET CAPS WITH SPECIAL BUSHINGS

Most caps of brass shell sockets can be furnished with insulated bushing, as illustrated. The purpose of this construction is to provide a passage for the conductors when the support for the socket is a rod instead of a pipe or tube. For sockets so equipped add 2 cents to list price.



Insulated Chain



No. 510



No. 512



No. 513



Socket with Lamp Grip



Socket Cap with Special Bushing

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SOCKETS AND RECEPTACLES IN SPECIAL FINISHES

To meet the demand for sockets with special finishes, the factory is now carrying in stock sockets in special finishes for which there is a large demand, such as polished brass, oxidized copper, polished nickel, etc. Special finishes, occasionally used, are not carried regularly, but can be furnished on short notice to special order.

In placing orders for special finishes which are not standardized, we suggest the submitting, at the same time, of a sample for our information.

ADDITIONS TO LIST FOR SPECIAL FINISHES

The standard finish of all brass shell sockets is brush brass, which will be supplied on all orders where no finish is specified.

Prices of special finishes for sockets and other devices bought knocked down will be as follows: For caps and bases, one half the price given in first column for the desired finish. For bodies, deduct from prices in columns 1, 2, 3 or 4 one half the price for the same finish in first column.

The standard length of chain on pull sockets is 8 inches, unless otherwise specified.

Finish	KEY, KEYLESS AND WALL SOCKETS		PULL AND PULL WALL SOCKETS	
	Without Shade Holder	With Shade Holder Attached	Without Shade Holder	With Shade Holder Attached
Bauer-barff	\$0.02	\$0.04	\$0.03	\$0.05
Brass, Antique .....	.04	.06	.10	.12
Brass, Brush	No advance	No advance	No advance	No advance
Brass, Flemish .....	.04	.06	.10	.12
Brass, Lemon .....	.04	.06	.10	.12
Brass, Old	No advance	No advance	No advance	No advance
Brass, Oxidized .....	.04	.06	.10	.12
Brass, Polished	No advance	No advance	No advance	No advance
Bronze, Acid .....	.06*	.08*	.10	.12
Bronze, Antique .....	.06*	.08*	.10	.12
Bronze, English .....	.06*	.08*	.10	.12
Bronze, Gold .....	.06*	.08*	.10	.12
Bronze, Hardware .....	.06*	.08*	.10	.12
Bronze, Japanese .....	.06*	.08*	.10	.12
Bronze, Old English .....	.06*	.08*	.10	.12
Bronze, Polished .....	.06*	.08*	.10	.12
Bronze, Pompeian .....	.06*	.08*	.15	.17
Bronze, Statuary .....	.04	.06	.10	.12
Copper, Acid .....	.04	.06	.10	.12
Copper, Antique .....	.04	.06	.10	.12
Copper, Mottled .....	.04	.06	.10	.12
Copper, Old .....	.04	.06	.10	.12
Copper, Oxidized .....	.04	.06	.06	.08
Copper, Polished .....	.04	.06	.10	.12
Enamel, White .....	.06*	.08*	.10	.12
Gilt, Burnished .....	.06*	.08*	.10	.12
Gilt, Etruscan .....	.06*	.08*	.10	.12
Gilt, Ormolu .....	.06*	.08*	.10	.12
Gilt, Polished .....	.02	.04	.03	.05
Gilt, Rich .....	.02	.04	.03	.05
Gold, Roman .....	.06*	.08*	.15	.17
Gold, Satin .....	.06*	.08*	.15	.17
Gun Metal .....	.06*	.08*	.15	.17
Iron, Wrought .....	.02	.04	.03	.05
Nickel, Brush .....	.06*	.08*	.10	.12
Nickel, Polished .....	.04	.06	.06	.08
Sand-blast, Any .....	.06*	.08*	.15	.17
Silver, Butler's .....	.06*	.08*	.15	.17
Silver, Ground .....	.06*	.08*	.15	.17
Silver, Oxidized .....	.06*	.08*	.15	.17
Silver, Polished .....	.06*	.08*	.15	.17
Steel, Polished .....	.06*	.08*	.10	.12
Verde Antique .....	.06*	.08*	.15	.17

Regular and special finishes of one number may be assorted to make up standard package quantity which will be the same as though all were regular finish.

Extra chain on pull sockets, add to list price per foot, 10 cents.

Pull sockets will be furnished with short chain and 3 feet of cord at the same price as listed. Extra cord, 1 cent list per foot.

Special finishes on extra chain, add to list price, per foot, 2 cents.

Special finishes for chain guides, sold separate from sockets, add to list price, 2 cents.

*When ordered in lots of 500 of one number and one finish this list will be reduced 2 cents.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS WRINKLET FIXTURE LINE**NATIONAL ELECTRICAL CODE STANDARD**

All of These WRINKLET Caps Will Fit All of the WRINKLET Bodies on the Preceding Page

SCHEDULE B**No. WA**
1/4-inch
Socket Cap

Trade No.	Price Each
100844	\$0.07
Carton	Std. Pkg.
25	500

No. WB
1/4-inch
Socket Cap

Trade No.	Price Each
100845	\$0.16
Carton	Std. Pkg.
25	100

No. WC
1/4-inch
Socket Cap

Trade No.	Price Each
100846	\$0.13
Carton	Std. Pkg.
25	250

No. WE
1/4-inch Male
Socket Cap

Trade No.	Price Each
100847	\$0.07
Carton	Std. Pkg.
25	50

No. WF
1/4-inch Male
Socket Cap

Trade No.	Price Each
100848	\$0.16
Carton	Std. Pkg.
25	50

No. WG
1/4-inch Male
Socket Cap

Trade No.	Price Each
100849	\$0.16
Carton	Std. Pkg.
25	50

No. WK
1/4-inch Fixture
Socket Cap

Trade No.	Price Each
100850	\$0.13
Carton	Std. Pkg.
25	50

No. WL
1/4-inch Fixture
Socket Cap

Trade No.	Price Each
100851	\$0.16
Carton	Std. Pkg.
25	50

No. WM
1/4-inch Angle
Socket Cap

Trade No.	Price Each
100852	\$0.12
Carton	Std. Pkg.
25	100

No. WN
1/4-inch Angle
Socket Cap

Trade No.	Price Each
100853	\$0.21
Carton	Std. Pkg.
25	50

No. WP
1/4-inch Angle
Socket Cap

Trade No.	Price Each
100854	\$0.18
Carton	Std. Pkg.
25	50

No. WR
1/4-inch Angle Fixture
Socket Cap

Trade No.	Price Each
100855	\$0.18
Carton	Std. Pkg.
25	50

No. WS
1/4-inch Angle Fixture
Socket Cap

Trade No.	Price Each
100856	\$0.21
Carton	Std. Pkg.
25	50

No. WT
Pendent
Socket Cap

Trade No.	Price Each
100857	\$0.07
Carton	Std. Pkg.
25	500

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

The sale of Wrinklet Interchangeable Devices as individual parts eliminates the labor of taking complete articles apart to interchange them. This wonderfully increases the efficiency of the line, at the same time reducing the stock investment.

The standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

BRYANT-PERKINS WRINKLET FIXTURE LINE

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE B



No. 7A



No. 7B



No. 7C



No. 7E



No. 7F



No. 7G



No. 7K



No. 7L



No. 7M



No. 7N



No. 7P



No. 7R



No. 7T



No. 81



No. 80



No. 82

SINGLE-POLE PUSH BUTTON SOCKETS

660 Watts, 250 Volts

Trade No.	Mfrs No.	Mfrs. Old No.	Description	Car- ton	Std. Pkg.	Wt., Lbs. Std.	Lbs. Pkg.	Price Each
123234	81	....	Body, without cap.....	25	500	..	..	\$0.26
123235	WA-81	....	With 1/8-inch cap.....	25	500	..	..	.33
123236	WB-81	....	With 1/4-inch cap.....	25	250	..	..	.42
123237	WC-81	....	With 3/8-inch cap.....	25	250	..	..	.39
123238	WE-81	....	With 1/8-inch male cap.....	25	500	..	..	.33
123239	WF-81	....	With 1/4-inch male cap.....	25	250	..	..	.42
123240	WG-81	....	With 3/8-inch male cap.....	25	250	..	..	.42
123241	WK-81	....	With 1/8-inch fixture cap.....	25	250	..	..	.39
123242	WL-81	....	With 1/4-inch fixture cap.....	25	250	..	..	.42
123243	WM-81	....	With 1/8-inch angle cap.....	25	100	..	..	.38
123244	WN-81	....	With 1/4-inch angle cap.....	25	100	..	..	.47
123245	WP-81	....	With 3/8-inch angle cap.....	25	100	..	..	.44
123246	WR-81	....	With 1/8-inch angle fixture cap....	25	100	..	..	.44
123247	WS-81	....	With 1/4-inch angle fixture cap....	25	100	..	..	.47
123248	WT-81	....	With pendent cap.....	25	500	..	..	.33

SINGLE-POLE KEY SOCKETS

250 Watts, 250 Volts

105124	80	....	Body, without cap.....	25	500	..	..	.26
19855	WA-80	7000	With 1/8-inch cap.....	25	500	85	..	.33
19861	WB-80	7010	With 1/4-inch cap.....	25	250	59	..	.42
19867	WC-80	7004	With 3/8-inch cap.....	25	250	53	..	.39
105119	WE-80	....	With 1/8-inch male cap.....	25	500	85	..	.33
105120	WF-80	....	With 1/4-inch male cap.....	25	250	59	..	.42
105121	WG-80	....	With 3/8-inch male cap.....	25	250	53	..	.42
19858	WK-80	7014	With 1/8-inch fixture cap.....	25	250	64	..	.39
19864	WL-80	7017	With 1/4-inch fixture cap.....	25	250	60	..	.42
19870	WM-80	7002	With 1/8-inch angle cap.....	25	100	27	..	.38
19876	WN-80	7021	With 1/4-inch angle cap.....	25	100	27	..	.47
19882	WP-80	7024	With 3/8-inch angle cap.....	25	100	25	..	.44
19873	WR-80	7027	With 1/8-inch angle fixture cap....	25	100	32	..	.44
19879	WS-80	7030	With 1/4-inch angle fixture cap....	25	100	30	..	.47
105122	WT-80	....	With pendent cap.....	25	500	85	..	.33

QUARTER TURN KEY SOCKETS

660 Watts, 250 Volts

105123	82	....	Body, without cap.....	25	500	..	..	.29
105100	WA-82	....	With 1/8-inch cap.....	25	500	85	..	.36
105106	WB-82	....	With 1/4-inch cap.....	25	250	59	..	.45
105112	WC-82	....	With 3/8-inch cap.....	25	250	53	..	.42
105115	WE-82	....	With 1/8-inch male cap.....	25	500	85	..	.36
105116	WF-82	....	With 1/4-inch male cap.....	25	250	59	..	.45
105117	WG-82	....	With 3/8-inch male cap.....	25	250	53	..	.45
105103	WK-82	....	With 1/8-inch fixture cap.....	25	250	64	..	.42
105109	WL-82	....	With 1/4-inch fixture cap.....	25	250	60	..	.45
19885	WM-82	....	With 1/8-inch angle cap.....	25	100	27	..	.41
105127	WN-82	....	With 1/4-inch angle cap.....	25	100	27	..	.50
105133	WP-82	....	With 3/8-inch angle cap.....	25	100	25	..	.47
19888	WR-82	....	With 1/8-inch angle fixture cap....	25	100	32	..	.47
105130	WS-82	....	With 1/4-inch angle fixture cap....	25	100	30	..	.50
105118	WT-82	....	With pendent cap.....	25	500	85	..	.36

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS WRINKLET FIXTURE LINE

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE B



No. WA



No. WB



No. WC



No. WE



No. WF



No. WG



No. WK



No. WL



No. WM



No. WN



No. WP



No. WR



No. WT



No. 83



No. 95

STANDARD KEYLESS SOCKETS—660 WATTS, 250 VOLTS

Trade No.	Mfrs. New No.	Mfrs. Old No.	Description	Car- ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
105136	83	....	Body, without cap.....	25	500	....	\$0.23
19856	WA-83	7009	With 1/8-inch cap.....	25	500	80	.30
19862	WB-83	7011	With 1/4-inch cap.....	25	250	54	.39
19868	WC-83	7013	With 3/8-inch cap.....	25	250	50	.36
105137	WE-83	....	With 1/8-inch male cap.....	25	500	..	.30
105138	WF-83	....	With 1/4-inch male cap.....	25	250	..	.39
105139	WG-83	....	With 3/8-inch male cap.....	25	250	..	.39
19859	WK-83	7015	With 1/8-inch fixture cap.....	25	250	62	.36
19865	WL-83	7018	With 1/4-inch fixture cap.....	25	250	55	.39
19871	WM-83	7020	With 1/8-inch angle cap.....	25	100	25	.35
19877	WN-83	7022	With 1/4-inch angle cap.....	25	100	25	.44
19883	WP-83	7025	With 3/8-inch angle cap.....	25	100	24	.41
19874	WR-83	7028	With 1/8-inch angle fixture cap.....	25	100	30	.41
19880	WS-83	7031	With 1/4-inch angle fixture cap.....	25	100	28	.44
105140	WT-83	....	With pendent cap.....	25	500	80	.30

SHORT KEYLESS SOCKETS—660 WATTS, 250 VOLTS

105141	95	....	Body, without cap.....	25	500	..	.23
105101	WA-95	7001	With 1/8-inch cap.....	25	500	80	.30
105107	WB-95	....	With 1/4-inch cap.....	25	250	..	.39
105113	WC-95	7005	With 3/8-inch cap.....	25	250	45	.36
105142	WE-95	....	With 1/8-inch male cap.....	25	500	..	.30
105143	WF-95	....	With 1/4-inch male cap.....	25	250	..	.39
105144	WG-95	....	With 3/8-inch male cap.....	25	250	..	.39
105104	WK-95	....	With 1/8-inch fixture cap.....	25	250	..	.36
105110	WL-95	....	With 1/4-inch fixture cap.....	25	250	..	.39
19886	WM-95	7003	With 1/8-inch angle cap.....	25	100	20	.35
105128	WN-95	....	With 1/4-inch angle cap.....	25	100	..	.44
105134	WP-95	....	With 3/8-inch angle cap.....	25	100	..	.41
19889	WR-95	....	With 1/8-inch angle fixture cap.....	25	100	..	.41
105131	WS-95	....	With 1/4-inch angle fixture cap.....	25	100	..	.44
105145	WT-95	....	With pendent cap.....	25	500	80	.30

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS WRINKLET FIXTURE LINE

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE B



No. WA



No. WB



No. WC



No. WE



No. WF



No. WG



No. WK



No. WL



No. WM



No. MN



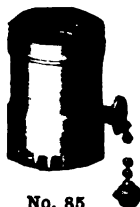
No. WP



No. WR



No. WT



No. 85



No. 84

PULL SOCKETS—250 WATTS, 250 VOLTS

Trade No.	Mfrs. New No.	Mfrs. Old No.	Description	Car-ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
105146	85	....	Body, without cap.....	25	250	..	\$0.53
19857	WA-85	7006	With 1/8-inch cap.....	25	250	50	.60
19863	WB-85	7012	With 1/4-inch cap.....	25	100	27	.69
19869	WC-85	7007	With 3/8-inch cap.....	25	100	27	.66
123264	WE-85	....	With 1/8-inch male cap.....	25	250	..	.60
123265	WF-85	....	With 1/4-inch male cap.....	25	100	..	.69
123266	WG-85	....	With 3/8-inch male cap.....	25	100	..	.69
19860	WK-85	7016	With 1/8-inch fixture cap.....	25	100	30	.66
19866	WL-85	7019	With 1/4-inch fixture cap.....	25	100	30	.69
19872	WM-85	7008	With 1/8-inch angle cap.....	25	50	15	.65
19878	WN-85	7023	With 1/4-inch angle cap.....	25	50	15	.74
19884	WP-85	7026	With 3/8-inch angle cap.....	25	50	15	.71
19875	WR-85	7029	With 1/8-inch angle fixture cap.	25	50	19	.71
19881	WS-85	7032	With 1/4-inch angle fixture cap.	25	50	16	.74
123267	WT-85	....	With pendent cap.....	25	250	50	.60

TURN SOCKETS—250 WATTS, 250 VOLTS

123268	84	....	Body, without cap.....	25	100	..	.53
105102	WA-84	....	With 1/8-inch cap.....	25	100	..	.60
105108	WB-84	....	With 1/4-inch cap.....	25	50	..	.69
105114	WC-84	....	With 3/8-inch cap.....	25	50	..	.66
123269	WE-84	....	With 1/8-inch male cap.....	25	50	..	.60
123270	WF-84	....	With 1/4-inch male cap.....	25	50	..	.69
123271	WG-84	....	With 3/8-inch male cap.....	25	50	..	.69
105105	WK-84	....	With 1/8-inch fixture cap.....	25	50	..	.66
105111	WL-84	....	With 1/4-inch fixture cap.....	25	50	..	.69
19887	WM-84	....	With 1/8-inch angle cap.....	25	50	..	.65
105129	WN-84	....	With 1/4-inch angle cap.....	25	50	..	.74
105135	WP-84	....	With 3/8-inch angle cap.....	25	50	..	.71
105126	WR-84	....	With 1/8-inch angle fixture cap.	25	50	..	.71
105132	WS-84	....	With 1/4-inch angle fixture cap.	25	50	..	.74
123272	WT-84	....	With pendent cap.....	25	100	..	.60

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

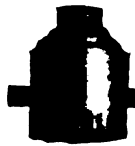
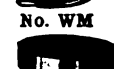
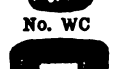
BRYANT-PERKINS WRINKLET FIXTURE LINE

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H



No. WB



PUSH BUTTON CANDLE SWITCHES

6 Amperes, 125 Volts—3 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Car-ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
123286	96	Body, without cap.	10	50	....	\$0.26
123287	WA-96	With 1/8-inch cap.	10	50	....	.33
123288	WB-96	With 1/4-inch cap.	10	20	....	.42
123289	WC-96	With 3/8-inch cap.	10	20	....	.39
123290	WE-96	With 1/8-inch male cap.	10	20	....	.33
123291	WF-96	With 1/4-inch male cap.	10	20	....	.42
123292	WG-96	With 3/8-inch male cap.	10	20	....	.42
123293	WK-96	With 1/8-inch fixture cap.	10	20	....	.39
123294	WL-96	With 1/4-inch fixture cap.	10	20	....	.42
123295	WM-96	With 3/8-inch angle cap.	10	20	....	.38
123296	WN-96	With 1/4-inch angle cap.	10	20	....	.47
123297	WP-96	With 3/8-inch angle cap.	10	20	....	.44
123298	WR-96	With 1/8-inch angle fixture cap.	10	20	....	.44
123299	WS-96	With 1/4-inch angle fixture cap.	10	20	....	.47
123300	WT-96	With pendent cap.	10	50	....	.33

KEY CANDLE SWITCHES

3 Amperes, 125 Volts—1 Ampere, 250 Volts

123301	92	Body, without cap.	10	50	....	.26
123302	WA-92	With 1/8-inch cap.	10	50	....	.33
123303	WB-92	With 1/4-inch cap.	10	20	....	.42
123304	WC-92	With 3/8-inch cap.	10	20	....	.39
123305	WE-92	With 1/8-inch male cap.	10	20	....	.33
123306	WF-92	With 1/4-inch male cap.	10	20	....	.42
123307	WG-92	With 3/8-inch male cap.	10	20	....	.42
123308	WK-92	With 1/8-inch fixture cap.	10	20	....	.39
123309	WL-92	With 1/4-inch fixture cap.	10	20	....	.42
123310	WM-92	With 3/8-inch angle cap.	10	20	....	.38
123311	WN-92	With 1/4-inch angle cap.	10	20	....	.47
123312	WP-92	With 3/8-inch angle cap.	10	20	....	.44
123313	WR-92	With 1/8-inch angle fixture cap.	10	20	....	.44
123314	WS-92	With 1/4-inch angle fixture cap.	10	20	....	.47
123315	WT-92	With pendent cap.	10	50	....	.33

PULL CANDLE SWITCHES

3 Amperes, 125 Volts—1 Ampere, 250 Volts

123316	94	Body, without cap.	10	50	....	.53
123317	WA-94	With 1/8-inch cap.	10	50	....	.60
123318	WB-94	With 1/4-inch cap.	10	20	....	.69
123319	WC-94	With 3/8-inch cap.	10	20	....	.66
123320	WE-94	With 1/8-inch male cap.	10	20	....	.60
123321	WF-94	With 1/4-inch male cap.	10	20	....	.69
123322	WG-94	With 3/8-inch male cap.	10	20	....	.69
123323	WK-94	With 1/8-inch fixture cap.	10	20	....	.66
123324	WL-94	With 1/4-inch fixture cap.	10	20	....	.69
123325	WM-94	With 3/8-inch angle cap.	10	20	....	.65
123326	WN-94	With 1/4-inch angle cap.	10	20	....	.74
123327	WP-94	With 3/8-inch angle cap.	10	20	....	.71
123328	WR-94	With 1/8-inch angle fixture cap.	10	20	....	.71
123329	WS-94	With 1/4-inch angle fixture cap.	10	20	....	.74
123330	WT-94	With pendent cap.	10	50	....	.60

Bodies of pull candle switches are regularly furnished with short chain and 10 feet of linen cord. Extra cord, 1 cent list per foot.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS WRINKLET FIXTURE LINE

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H



No. WA



No. WB



No. WC



No. WE



No. WF



No. WG



No. WK



No. WL



No. WM



No. WN



No. WP



No. WR



No. WT



No. 93



No. 90



No. 91

TURN CANDLE SWITCHES

3 Amperes, 125 Volts—1 Ampere, 250 Volts

Trade No.	Mfrs No.	Description	Car-ton	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each
123345	93	Body, without cap.	10	30	...	\$0.68
123346	WA-93	With 1/4-inch cap.	10	10	...	.75
123347	WB-93	With 1/4-inch cap.	10	10	...	.84
123348	WC-93	With 3/8-inch cap.	10	10	...	.81
123349	WE-93	With 1/4-inch male cap.	10	10	...	.75
123350	WF-93	With 1/4-inch male cap.	10	10	...	.84
123351	WG-93	With 3/8-inch male cap.	10	10	...	.84
123352	WK-93	With 1/4-inch fixture cap.	10	10	...	.81
123353	WL-93	With 1/4-inch fixture cap.	10	10	...	.84
123354	WM-93	With 1/4-inch angle cap.	10	10	...	.80
123355	WN-93	With 1/4-inch angle cap.	10	10	...	.89
123356	WP-93	With 3/8-inch angle cap.	10	10	...	.86
123357	WR-93	With 1/4-inch angle fixture cap.	10	10	...	.86
123358	WS-93	With 1/4-inch angle fixture cap.	10	10	...	.89
123359	WT-93	With pendent cap.	10	10	...	.75

SINGLE-POLE PULL SWITCHES

3 Amperes, 125 Volts—1 Ampere, 250 Volts

Trade No.	Mfrs No.	Description	Car-ton	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each
123360	90	Body, without cap.	10	50	...	.53
123361	WA-90	With 1/4-inch cap.	10	50	...	.60
123362	WB-90	With 1/4-inch cap.	10	20	...	.69
123363	WC-90	With 3/8-inch cap.	10	20	...	.66
123364	WE-90	With 1/4-inch male cap.	10	20	...	.60
123365	WF-90	With 1/4-inch male cap.	10	20	...	.69
123366	WG-90	With 3/8-inch male cap.	10	20	...	.69
123367	WK-90	With 1/4-inch fixture cap.	10	20	...	.66
123368	WL-90	With 1/4-inch fixture cap.	10	20	...	.69
123369	WM-90	With 1/4-inch angle cap.	10	20	...	.65
123370	WN-90	With 1/4-inch angle cap.	10	20	...	.74
123371	WP-90	With 3/8-inch angle cap.	10	20	...	.71
123372	WR-90	With 1/4-inch angle fixture cap.	10	20	...	.71
123373	WS-90	With 1/4-inch angle fixture cap.	10	20	...	.74
123374	WT-90	With pendent cap.	10	50	...	.60

SINGLE-POLE PULL FIXTURE SWITCHES

3 Amperes, 125 Volts—1 Ampere, 250 Volts

Trade No.	Mfrs No.	Description	Car-ton	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each
123375	91	Body, without cap.	10	50	...	.68
123376	WA-91	With 1/4-inch cap.	10	50	...	.75
123377	WB-91	With 1/4-inch cap.	10	20	...	.84
123378	WC-91	With 3/8-inch cap.	10	20	...	.81
123379	WE-91	With 1/4-inch male cap.	10	20	...	.75
123380	WF-91	With 1/4-inch male cap.	10	20	...	.84
123381	WG-91	With 3/8-inch male cap.	10	20	...	.84
123382	WK-91	With 1/4-inch fixture cap.	10	20	...	.81
123383	WL-91	With 1/4-inch fixture cap.	10	20	...	.84
123384	WM-91	With 1/4-inch angle cap.	10	20	...	.80
123385	WN-91	With 1/4-inch angle cap.	10	20	...	.89
123386	WP-91	With 3/8-inch angle cap.	10	20	...	.86
123387	WR-91	With 1/4-inch angle fixture cap.	10	20	...	.86
123388	WS-91	With 1/4-inch angle fixture cap.	10	20	...	.89
123389	WT-91	With pendent cap.	10	50	...	.75

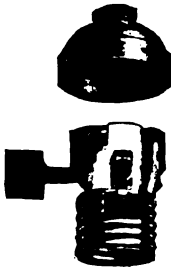
Bodies of pull switches are regularly furnished with short chain and 10 feet of linen cord. Extra cord, 1 cent list per foot.

Standard finish is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT BAYONET SHELL SOCKETS

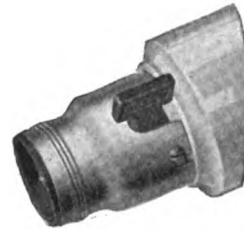
NATIONAL ELECTRICAL CODE STANDARD

Key and Pull Sockets, 250 Watts, 250 Volts—Keyless Sockets, 660 Watts, 250 Volts
SCHEDULE B

No. 9184



No. 50753



No. 9386



No. 50783



No. 50717



No. 60018



No. 60020

PENDENT SOCKETS

With 1/8-inch Cap

Trade No.	Mfrs. No.	Style	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
065243	9386	Key	25	500	120	\$0.33
065244	9392	Keyless	25	500	110	.30
17830	35000	Pull	25	250	65	.60

With 1/8-inch Cap

065245	50760	Key	25	250	65	.39
065246	50768	Keyless	25	250	60	.36
17831	35001	Pull	25	100	30	.66

With Pendent Cap

065249	99386	Key	25	500	113	.33
065250	99392	Keyless	25	500	103	.30
17832	35040	Pull	25	250	60	.60

WALL SOCKETS

With Base for Concealed Work

17823	9184	Key	10	250	85	.44
17824	9185	Keyless	10	250	80	.41

Outside diameter of base is 2 1/8 inches.

Holes for supporting screws are spaced 1 5/8 inches on centers.

With Angle Base for Concealed Work

17825	50753	Key	10	100	50	.49
17826	50755	Keyless	10	100	45	.46

Wall Sockets with Double-pole Fuse

065433	*50783	Key	10	250	150	.60
065434	*50784	Keyless	10	250	140	.57

Holes for supporting screws are spaced 2 inches on centers.

Outside diameter of base is 2 3/4 inches.

Pony Wall Sockets

065432	50717	Keyless	10	250	63	.25
17822	88258	Keyless	10	250	63	.25

Holes for supporting screws are spaced 1 3/8 inches on centers.

Outside diameter of base is 2 inches.

With Small Covered Base for Concealed Work

17827	60018	Key	10	250	100	.44
17828	60019	Keyless	10	250	95	.41

Outside diameter of base is 2 5/8 inches.

Holes for supporting screws are spaced 1 5/8 inches on centers.

With Large Covered Base for Concealed Work

17829	60020	Keyless	10	100	65	.45
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Outside diameter of base is 3 5/8 inches.

Holes for supporting screws are spaced 1 5/8 and 2 inches on centers.

*Not National Electrical Code Standard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT SOCKETS

KEY AND PULL SOCKETS, 250 WATTS, 250 VOLTS
KEYLESS AND Q. T. SOCKETS, 660 WATTS, 250 VOLTS
SCHEDULE B

BAYONET SOCKETS WITH REMOVABLE COMPOSITION RING



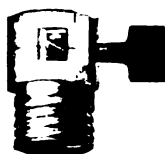
No. 50747



No. 50748



No. 50785



No. 7401

		With 1/8-inch Cap		Car- ton	Std. Pkg.	Wt. Lbs.	Price Std. Pkg. Each
Trade No.	Mfrs. No.	Description					
17836	50740	*Key	.....	25	500	115	\$0.35
17837	50741	*Keyless	.....	25	500	110	.32
17838	35037	†Pull	.....	25	250	65	.65
With 3/8-inch Cap							
17839	50762	*Key	.....	25	250	65	.41
17840	50771	*Keyless	.....	25	250	60	.38
17841	35044	†Pull	.....	25	100	30	.71
With Base for Concealed Work							
17842	50747	Key	.....	10	250	85	.44
Outside diameter of base is 2 1/8 inches.							
Holes for supporting screws are spaced 1 5/8 inches on centers.							
17843	50723	Keyless, solid white base	....	10	100	25	.30
17844	50745	Keyless, slotted white base	....	10	250	60	.30
17845	29176	Keyless, solid brown base	....	10	100	25	.30
17846	50786	Keyless, slotted brown base	....	10	250	60	.30
Outside diameter of base is 2 1/8 inches.							
Holes for supporting screws are spaced 1 1/4 inches on centers.							
With Small Covered Base for Concealed Work							
17847	50748	Key	.....	10	250	85	.44
Outside diameter of base is 2 inches.							
Holes for supporting screws are spaced 1 3/8 inches on centers.							
17848	50746	Keyless	.....	10	250	60	.41
Outside diameter of base is 2 inches.							
Holes for supporting screws are spaced 1 1/4 inches on centers.							
With Large Covered Base for Concealed Work							
17849	50785	Keyless	.....	10	100	55	.45
Outside diameter of base is 3 3/8 inches.							
Holes for supporting screws are spaced 2 inches on centers.							
17850	24998	Keyless	.....	10	100	20	.30
No. 24998 is for switchboard. Has studs for rear connection.							
Outside diameter of base is 2 1/8 inches.							

SOCKETS WITH TWO-POINT SHELLS
NATIONAL ELECTRICAL CODE STANDARD

NATIONAL ELECTRICAL CODE STANDARDS							
		With 1/8-inch Cap					
071202	7401	Key, single-pole	25	500	125	.33	
071203	4401	Key, double-pole	25	500	125	.33	
17833	4477	Key, quarter turn	25	500	125	.36	
071204	7402	Keyless	25	500	110	.30	
071205	4402	Pull	25	250	60	.60	
		With 1/4-inch Cap					
071206	7403	Key, single-pole	25	250	70	.42	
071207	4403	Key, double-pole	25	250	70	.42	
17834	4478	Key, quarter turn	25	250	70	.45	
071208	7404	Keyless	25	250	65	.39	
071209	4404	Pull	25	100	30	.69	
		With 3/8-inch Cap					
071210	7405	Single-pole	25	250	70	.39	
071211	4405	Double-pole	25	250	70	.39	
17835	4479	Key, quarter turn	25	250	70	.42	
071212	7406	Keyless	25	250	65	.36	
071213	4406	Pull	25	100	30	.66	
		With Pendant Cap					
123409	7407	Key, single-pole	25	500	125	.33	
123410	4407	Key, double-pole	25	500	125	.33	
123411	4499	Key, quarter turn	25	500	125	.36	
123412	7408	Keyless	25	500	110	.30	
123413	4408	Pull	25	250	60	.60	

*White porcelain rings will be supplied, when specified, instead of black composition rings, without extra charge.

†These sockets have porcelain rings.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT RECEPTACLES NATIONAL ELECTRICAL CODE STANDARD SCHEDULE B

CEILING RECEPTACLES

These receptacles have flat backs and can be used for ordinary ceiling work as well as for attachment to outlet boxes.

For 3¼-inch Outlet Boxes—660 Watts, 250 Volts

Trade No.	Mfrs. No.	Description	Car- ton	Std. Wt., Lbs.	Price Pkg. Std. Pkg. Each
17875	4102	Keyless, with binding posts	1	100 70	\$0.45
17876	4103	Keyless, with wires	1	100 75	.50
Outside diameter of base is 3⅝ inches. Holes for supporting screws are spaced 2¾ in. on centers.					
For 3¼ and 4-inch Outlet Boxes—660 Watts, 250 Volts					
17877	4100	Keyless, with binding posts	1	100 100	.60
17878	4101	Keyless, with wires	1	100 105	.65
Outside diameter of base is 4⅝ inches. Holes for supporting screws are spaced 2¾ and 3½ inches on centers.					

For 3¼ and 4-inch Outlet Boxes—250 Watts, 250 Volts

105147	4104	Pull, with binding posts	1	50 70	1.30
105148	4105	Pull, with wires	1	50 75	1.35
Each socket is supplied with a short chain and 10 ft. of best quality black linen cord. Longer cords 1 cent per ft. Outside diameter of base is 4⅝ inches. Holes for supporting screws are spaced 2¾ and 3½ inches on centers. Nos. 4103, 4101 and 4105 are fitted with 6 inches of No. 14 stranded rubber covered wire. Receptacles with longer wires furnished on special order. Extra charge, 9 cents per foot (4½ cents each conductor).					

PANCAKE RECEPTACLES

660 Watts, 250 Volts

These receptacles are primarily designed for installation in so-called "pancake" boxes; that is, boxes ½ inch or ¾ inch deep in which the only opportunity for attaching the receptacle consists of a pair of holes in the bottom of the box ¼ inch in diameter spaced 1½ inches on centers. Most other outlet boxes are made with similar holes so that these receptacles are available for a variety of uses. Each receptacle is fitted with two expansion bolts designed to be inserted into the above-mentioned holes. In boxes which are not provided with these holes, the receptacles may be attached by means of the bridges listed below.

071214	4030	Receptacle, with binding screws, no cover	10	100 45	.30
17873	4055	Receptacle, with wires, no cover	10	100 48	.35
071215	4031	Brass cover for 3¼-in. box	10	100 20	.25
071216	4032	Brass cover for 4-in. box	10	100 25	.40

Outside diameter of No. 4031 is 3¾ inches; of No. 4032, 4¼ inches.

No. 4055 is fitted with 6 inches of No. 14 stranded rubber-covered wire. Receptacles with longer wires furnished on special order. Extra charge, 9 cents per foot (4½ cents each conductor).

BRIDGES FOR PANCAKE RECEPTACLES

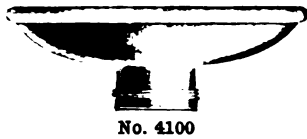
SCHEDULE H

105149	519	For 3¼ and 4-inch round boxes	50pr.	50pr.	3	*.05
105150	537	For 4-inch square boxes with open covers	50	50	4	.05
105151	538	With ⅜-inch female thread for fixture stud or iron pipe	50	50	4	.05

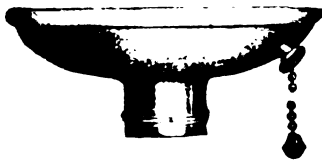
The above bridges may also be used with BN and BP New Wrinkle Bases listed on other pages.

*Per pair.

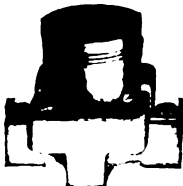
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 4100



No. 4104



No. 4030



No. 4055



No. 4032



No. 519



No. 537



No. 538

BRYANT SOCKETS

NATIONAL ELECTRICAL CODE STANDARD

Key Sockets, 250 Watts, 250 Volts—Keyless Sockets, 660 Watts, 250 Volts
SCHEDULE B



No. 4068



No. 66237



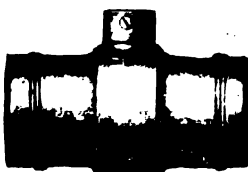
No. 4043



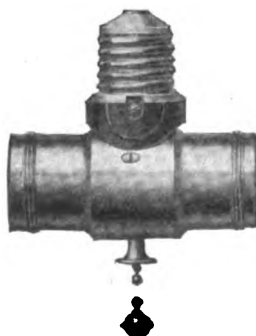
No. 4004



No. 4106



No. 46750



No. 4029

PULL SOCKETS WITH BOTTOM CHAIN GUIDE

These sockets are especially adapted for lighting fixtures and side wall brackets.

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Each
17874	4068	Pull, 1/8-inch nozzle	10	50	22	\$0.75
123428	4116	Pull, 1/8-inch three-step nozzle	10	50	22	.80

ELECTROLIER SOCKETS

065425	66237	Keyless, 1/8-inch cap	50	250	45	.40
123429	50766	Keyless, 3/8-inch cap	10	100	20	.46

ANGLE SOCKETS

These sockets are quite generally used for showcase and trough reflector lighting.

17871	4043	Keyless, 1/8-inch cap	25	100	25	.35
17872	4044	Keyless, 3/8-inch cap	25	100	28	.41

SOCKETS FOR CANDLE FIXTURES

These sockets can be used in tubing measuring not less than 1 3/8 inches inside diameter.

065426	4004	Keyless, 1/8-inch nipple...	25	250	15	.30
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ALUMINUM SHELL SOCKETS

These sockets, having aluminum shells, are suitable for outdoor work. The shells are lined with porcelain and the sockets are therefore suitable for show window work and conform to the specifications of the National Board of Fire Underwriters as to the conditions under which insulating joints may be omitted.

123430	4106	Keyless, 3/8-inch cap	10	50	23	.50
123431	4107	Keyless, 1/2-inch cap	10	50	22	.50

TWIN SOCKETS

Twin Keyless Sockets

065427	46750	Keyless, 1/8-inch cap	25	50	10	.65
065428	46751	Keyless, 3/8-inch cap	25	50	10	.70

Twin Keyless Extension Sockets

17812	4061	With Edison plug	10	50	30	1.00
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Twin Pull Sockets

17814	4051	*Pull, 1/8-inch cap	10	50	20	1.00
17815	4052	*Pull, 3/8-inch cap	10	50	20	1.06

Operating both ends simultaneously.

065430	4005	Pull, 1/8-inch cap	10	50	20	1.00
065431	4006	Pull, 3/8-inch cap	10	50	20	1.06

Operating by successive pulls as follows: First, end No. 1; second, both ends; third, end No. 2; fourth, both off.

17816	4053	Pull, 1/8-inch cap	10	50	20	1.00
17817	4054	Pull, 3/8-inch cap	10	50	20	1.06

One socket on all the time.

Twin Pull Extension Sockets

071220	4029	*With Edison plug	5	50	30	1.35
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Operating both ends simultaneously.

078197	4039	With Edison plug	5	50	30	1.35
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Operating by successive pulls as follows: First, end No. 1; second, both ends; third, end No. 2; fourth, both off.

17813	4040	With Edison plug	5	50	30	1.35
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One socket on all the time.

*Not National Electrical Code Standard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT AND PERKINS NEW WRINKLE SOCKETS

NATIONAL ELECTRICAL CODE STANDARD

KEY AND PULL SOCKETS—250 WATTS, 250 VOLTS

KEYLESS SOCKET—660 WATTS, 250 VOLTS

SCHEDULE B

NEW WRINKLE SOCKETS



No. 7540

With 1/4-inch Cap and 2 1/4-inch New Wrinkle Shade Holder

Trade No.	Mfrs. No.	Style	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
19574	7540	Key, single-pole	25	500	170	\$0.41
19575	4540	Key, double-pole	25	500	170	.41
19576	7541	Keyless	25	500	160	.38
19577	4541	Pull	25	250	166	.68

With 1/4-inch Cap and Form H New Wrinkle Shade Holder

19578	7542	Key, single-pole	25	500	200	.45
19579	4542	Key, double-pole	25	500	200	.45
19580	7543	Keyless	25	500	180	.42
19581	4543	Pull	25	250	75	.72

With 1/4-inch Cap and 3 1/4-inch New Wrinkle Shade Holder

19582	7544	Key, single-pole	10	100	50	.49
19583	4544	Key, double-pole	10	100	50	.49
19584	7545	Keyless	10	100	45	.46
19585	4545	Pull	10	100	48	.76

With 1/4-inch Cap and 2 1/4-inch Three-Screw Shade Holder

065279	59488	Key, single-pole	25	500	140	.39
065280	4493	Key, double-pole	25	500	140	.39
065281	59490	Keyless	25	500	130	.36
065282	65253	Pull	25	250	70	.66

With 1/4-inch Cap and 3 1/4-inch Three-Screw Shade Holder

065291	59494	Key, single-pole	10	100	50	.47
065292	4496	Key, double-pole	10	100	50	.47
065293	59496	Keyless	10	100	45	.44
065294	65256	Pull	10	100	30	.74

With 1/4-inch Cap and Form H Three-Screw Shade Holder

065303	7520	Key, single-pole	25	500	190	.43
065304	4520	Key, double-pole	25	500	190	.43
065305	7521	Keyless	25	500	180	.40
065306	4521	Pull	25	250	90	.70

BAYONET SOCKETS

With 1/4-inch Cap and 2 1/4-inch Three-Screw Shade Holder

19586	27740	Key	25	500	150	.39
19587	27741	Keyless	25	500	140	.36

With 1/4-inch Cap and 3 1/4-inch Three-Screw Shade Holder

19588	29400	Key	10	100	40	.47
19589	29402	Keyless	10	100	40	.44

Above we list those sockets with shade holders attached for which there is the most frequent call, but are prepared to furnish any of the brass shell sockets (except those with removable ring) with shade holders attached, at the following additional prices:

Trade No.	Std. Pkg.	New Wrinkle Shade Holders	Three-Screw Shade Holders
19590	2 1/4-inch	* \$0.08	\$0.06
19591	Form H	* .12	.10
19592	3 1/4-inch	100 .16	.14

*The standard package quantity will be the same as for sockets without shade holders.



No. 27740

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS SOCKETS AND RECEPTACLES

250 Watts, 125 Volts

SCHEDULE B

K-W ROSETTE SOCKETS

With Concealed Rosette Base

Trade No.	Mfrs. No.	Style	Sup. Screws Centered, In.	Car- ton	Std. Pkg.	Wt., Lbs.	Price Each
065263	50729	Key	1 $\frac{5}{8}$	10	100	81	\$0.75
065264	50732	Keyless	1 $\frac{5}{8}$	10	50	50	.72

Outside diameter of base is 2 $\frac{7}{8}$ inches.

With Cleat Rosette Base

065265	50730	*Key	1 $\frac{5}{8}$	10	100	84	.75
065266	50733	*Keyless	1 $\frac{5}{8}$	10	50	50	.72

Two-wire Molding Rosette Base

065267	50731	Key	1 $\frac{5}{8}$	10	100	84	.75
065268	50734	Keyless	1 $\frac{5}{8}$	10	50	45	.72

With Three-wire Molding Rosette Base

065269	45361	Key	2 $\frac{5}{8}$	10	100	90	.75
065270	45362	Keyless	2 $\frac{5}{8}$	10	50	45	.72

With Combination Rosette Base

065271	28727	Key	1 $\frac{5}{8}$	10	100	90	.75
065272	28732	Keyless	1 $\frac{5}{8}$	10	50	45	.72

THOMAS ROSETTE SOCKETS

With Concealed Rosette Base

065273	24990	Key	1 $\frac{5}{8}$	10	100	95	.75
065274	24993	Keyless	1 $\frac{5}{8}$	10	50	47	.72

Outside diameter of base is 2 $\frac{7}{8}$ inches.

With Cleat Rosette Base

065275	24991	*Key	1 $\frac{5}{8}$	10	100	95	.75
065276	24994	*Keyless	1 $\frac{5}{8}$	10	50	47	.72

With Two-wire Molding Rosette Base

065277	24992	Key	1 $\frac{5}{8}$	10	100	90	.75
065278	24995	Keyless	1 $\frac{5}{8}$	10	50	43	.72

All rosette sockets have brass shell body similar to illustration of No. 50729.

K-W ROSETTE RECEPTACLES

065451	†9404	Concealed	1 $\frac{5}{8}$	10	50	45	.40
065452	†9434	*Cleat	1 $\frac{5}{8}$	10	50	45	.40
065453	†9435	Two-wire molding	1 $\frac{5}{8}$	10	50	45	.40
065454	†45364	Three-wire molding	2 $\frac{5}{8}$	10	50	45	.40
065455	†29173	Combination	1 $\frac{5}{8}$	10	50	45	.40

For Shade Holders

065456	9405	Concealed	1 $\frac{5}{8}$	10	50	45	.50
065457	9436	*Cleat	1 $\frac{5}{8}$	10	50	45	.50
065458	9437	Two-wire molding	1 $\frac{5}{8}$	10	50	45	.50
065459	45365	Three-wire molding	2 $\frac{5}{8}$	10	50	45	.50
065460	29174	Combination	1 $\frac{5}{8}$	10	50	45	.50

Angle—For Shade Holders

065461	9406	Concealed	1 $\frac{5}{8}$	10	50	45	.80
065462	9438	*Cleat	1 $\frac{5}{8}$	10	50	45	.80
065463	9439	Two-wire molding	1 $\frac{5}{8}$	10	50	45	.80
065464	45366	Three-wire molding	2 $\frac{5}{8}$	10	50	45	.80
065465	29175	Combination	1 $\frac{5}{8}$	10	50	45	.80

All caps are interchangeable, and will fit any K-W Rosette Base.

THOMAS ROSETTE RECEPTACLES

065466	†25094	Concealed	1 $\frac{5}{8}$	10	50	40	.40
065467	†25092	*Cleat	1 $\frac{5}{8}$	10	50	40	.40
065468	†25096	Two-wire molding	1 $\frac{5}{8}$	10	50	40	.40

For Shade Holders

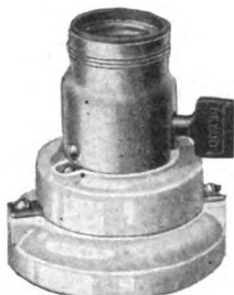
065469	25093	Concealed	1 $\frac{5}{8}$	10	50	40	.50
065470	25091	*Cleat	1 $\frac{5}{8}$	10	50	40	.50
065471	25095	Two-wire molding	1 $\frac{5}{8}$	10	50	40	.50

Thomas rosette receptacles for shade holders have brass shell body similar to illustration of No. 9436.

Caps are interchangeable, and will fit any Thomas 125-volt Rosette Base.

*National Electrical Code Standard.

†New Wrinkle Emergency Shade Holders may be attached to these receptacles.



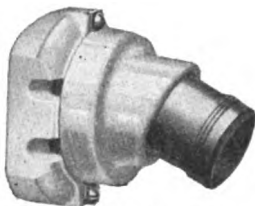
No. 50729



No. 9404



No. 9436



No. 9439



No. 25094

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS PORCELAIN LINE

NATIONAL ELECTRICAL CODE STANDARD

All of These Porcelain Bodies Will Fit All of These Porcelain Caps

SCHEDULE B**No. PT**
Pendant
Socket Cap

Trade No.	Price Each
100876	\$0.05
	Std.
Carton	Pkg.
10	250

No. PA
 $\frac{1}{4}$ -inch
Socket Cap

Trade No.	Price Each
100870	\$0.10
	Std.
Carton	Pkg.
10	100

No. PB
 $\frac{1}{4}$ -inch
Socket Cap

Trade No.	Price Each
100871	\$0.10
	Std.
Carton	Pkg.
10	50

No. PC*
 $\frac{1}{4}$ -inch
Socket Cap

Trade No.	Price Each
100872	\$0.10
	Std.
Carton	Pkg.
10	100

No. PD
 $\frac{1}{4}$ -inch
Socket Cap

Trade No.	Price Each
100873	\$0.25
	Std.
Carton	Pkg.
10	50

No. PP*
 $\frac{1}{4}$ -inch Angle
Socket Cap

Trade No.	Price Each
100874	\$0.15
	Std.
Carton	Pkg.
10	30

No. RW
 $\frac{1}{4}$ -inch Angle
Socket Cap

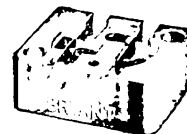
Trade No.	Price Each
100875	\$0.30
	Std.
Carton	Pkg.
10	30

No. PW
Cleat
Socket Base

Trade No.	Price Each
100890	\$0.10
	Std. Sup. Screws
Carton	Pkg. Centered, In.
10	100 1 5/8

No. PZ†
Large Concealed
Socket Base

Trade No.	Carton	Std. Pkg.	Price Each
100891	10	100	\$0.10
	Outside	Sup. Screws	
	Diam., In.	Centered, In.	
	2 3/4	1 1/8 & 2 3/8	

No. RB
Wood Molding
Socket Base

Trade No.	Price Each
100892	\$0.10
	Std. Sup. Screws
Carton	Pkg. Centered, In.
10	50 2

No. RL
 $3\frac{1}{2}$ -inch Box
Socket Base

Trade No.	Carton	Std. Pkg.	Price Each
100893	10	50	\$0.20
	Outside	Sup. Screws	
	Diam., In.	Centered, In.	
	3 1/2	2 3/4	

No. RM
4-inch Box
Socket Base

Trade No.	Carton	Std. Pkg.	Price Each
100894	5	50	\$0.25
	Outside	Sup. Screws	
	Diam., In.	Centered, In.	
	4 1/2	3 1/2	

The sale of porcelain interchangeable devices as individual parts eliminates the labor of taking complete articles apart to interchange them. This wonderfully increases the efficiency of the line, at the same time reducing the stock investment. Standard finish of brass caps is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

*This cap can be furnished in aluminum at 15 cents extra.

†This base is suitable for attachment to No. 500 Adaptiboxes.

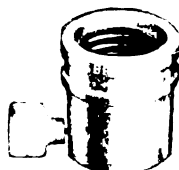
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS PORCELAIN LINE

NATIONAL ELECTRICAL CODE STANDARD

KEY AND PULL SOCKETS

SCHEDULE B



No. 70



No. 75

SINGLE-POLE KEY SOCKETS

250 Watts, 250 Volts

Trade No.	Mfrs. New No.	Mfrs. Old No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
100867	70	....	Body, without cap or base.....	10	250	....	\$0.25
065545	PT-70	9395	With pendent cap.....	10	250	105	.30
065548	PA-70	50799	With 1/8-inch cap.....	10	100	50	.35
19890	PB-70	4058	With 1/4-inch cap.....	10	100	55	.35
065551	PC-70	34947	*With 3/8-inch cap.....	10	100	55	.35
19899	PD-70	4065	With 1/2-inch cap (aluminum).....	10	100	50	.50
19902	PP-70	....	*With 3/8-inch angle cap.....	10	100	....	.40
92349	RW-70	....	With 1/2-inch angle cap (aluminum)....	10	100	....	.55
065554	PW-70	4007	With cleat base.....	10	100	55	.35
065557	PZ-70	4009	†With large concealed base.....	10	100	55	.35
065560	RB-70	4011	With wood molding base.....	10	100	55	.35
19893	RL-70	4045	With 3 1/4-inch box base.....	10	100	85	.45
19896	RM-70	4048	With 4-inch box base.....	1	100	136	.50

PULL SOCKETS

250 Watts, 250 Volts

100869	75	....	Body, without cap or base.....	10	100	....	.75
065547	PT-75	4015	With pendent cap.....	10	100	55	.80
065550	PA-75	4016	With 1/8-inch cap.....	10	50	30	.85
19892	PB-75	4060	With 1/4-inch cap.....	10	50	30	.85
065553	PC-75	4017	*With 3/8-inch cap.....	10	50	30	.85
19901	PD-75	4067	With 1/2-inch cap (aluminum).....	10	50	32	1.00
92348	PP-75	....	*With 3/8-inch angle cap.....	10	50	....	.90
92351	RW-75	....	With 1/2-inch angle cap (aluminum)....	10	50	....	1.05
065556	PW-75	4018	With cleat base.....	10	50	30	.85
065559	FZ-75	4019	†With large concealed base.....	10	50	30	.85
065562	RB-75	4020	With wood molding base.....	10	50	30	.85
19895	RL-75	4047	With 3 1/4-inch box base.....	10	50	50	.95
19898	RM-75	4050	With 4-inch box base.....	1	50	50	1.00

Pull sockets are regularly furnished with 8 inches of chain with insulation.

*This cap can be furnished in aluminum at 15 cents extra.

†This base is suitable for attachment to No. 500 Adaptiboxes.

New Wrinkle Emergency Shade Holders listed on another page may be attached to all sockets listed above.

Standard finish of brass caps is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

Caps and bases listed above are illustrated on a preceding page.

IN-ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS PORCELAIN LINE

NATIONAL ELECTRICAL CODE STANDARD

KEYLESS SOCKETS AND SPARTAN RECEPTACLES



No. 73



No. 79

KEYLESS SOCKETS

660 Watts, 250 Volts

SCHEDULE B

Trade No.	Mfr. New No.	Mfrs. Old No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
100868	73	....	Body, without cap or base.....	10	250	....	\$0.20
065546	PT-73	9393	With pendent cap.....	10	250	80	.25
065549	PA-73	50896	With 1/8-inch cap.....	10	100	45	.30
19891	PB-73	4059	With 1/4-inch cap.....	10	100	35	.30
065552	PC-73	34948	*With 3/8-inch cap.....	10	100	35	.30
19900	PD-73	4066	With 1/2-inch cap (aluminum).....	10	100	40	.45
19903	PP-73	....	*With 3/8-inch angle cap.....	10	100	....	.35
92350	RW-73	....	With 1/2-inch angle cap (aluminum)....	10	100	....	.50
065555	PW-73	4008	With cleat base.....	10	100	55	.30
065558	PZ-73	4010	†With large concealed base.....	10	100	55	.30
065561	RB-73	4012	With wood molding base.....	10	100	55	.30
19894	RL-73	4046	With 3 1/4-inch box base.....	10	100	75	.40
19897	RM-73	4049	With 4-inch box base.....	1	100	132	.45

New Wrinkle Emergency Shade Holders listed on another page may be attached to all sockets listed above.

SPARTAN RECEPTACLES

10 Amperes, 250 Volts

SCHEDULE H

123446	79	....	Body, without cap or base.....	10	50	....	.20
123447	PT-79	....	With pendent cap.....	10	50	....	.25
123448	PA-79	....	With 1/8-inch cap.....	10	50	....	.30
123449	PB-79	....	With 1/4-inch cap.....	10	50	....	.30
123450	PC-79	....	*With 3/8-inch cap.....	10	50	....	.30
123451	PD-79	....	With 1/2-inch cap (aluminum).....	10	20	....	.45
123452	PP-79	....	*With 3/8-inch angle cap.....	10	20	....	.35
123453	RW-79	....	With 1/2-inch angle cap (aluminum)....	10	20	....	.50
123454	PW-79	....	With cleat base.....	10	20	....	.30
123455	PZ-79	....	†With large concealed base.....	10	20	....	.30
123456	RB-79	....	With wood molding base.....	10	20	....	.30
123457	RL-79	....	With 3 1/4-inch box base.....	10	20	....	.40
123458	RM-79	....	With 4-inch box base.....	1	20	....	.45

*This cap can be furnished in aluminum at 15 cents extra.

†This base is suitable for attachment to No. 500 Adaptiboxes.

Standard finish of brass caps is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be furnished without extra charge.

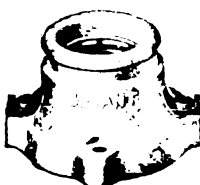
Caps and bases listed above are illustrated on a preceding page.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT PORCELAIN CLEAT RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD—660 WATTS, 250 VOLTS
SCHEDULE B

No. 9402



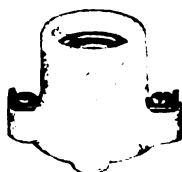
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No. 9403



No. 28795



No. 50715



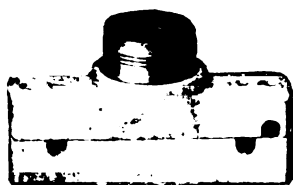
No. 59275



No. 58301



No. 58300



No. 58949



No. 9171



No. 9394

Trade No.	Mfrs. No.	Description	Sup. Centered, In.	Screws Carton	Std. Pkg.	Wt., Lbs.	Price Each
043144	*9402	Cleat.....	2 $\frac{3}{8}$	10	250	100	\$0.15
043145	*4013	Cleat.....	2 $\frac{3}{8}$	10	250	110	.20

*No. 4013 is for weatherproof shade holders.

043146	9403	Cleat.....	2 $\frac{3}{8}$	10	250	100	.25
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No. 9403 has brass ring for standard shade holders.

043147	*28795	Cleat.....	1 $\frac{7}{8}$	10	250	95	.15
043140	*50715	Pony cleat.....	1 $\frac{5}{8}$	10	250	79	.15
043139	*59275	Cleat, 1-inch separation.....	2	10	250	106	.18
043136	*58301	Cleat.....	1 $\frac{7}{8}$	5	250	165	.25
043137	*58300	Cleat.....	1 $\frac{7}{8}$	5	250	165	.30

No. 58300 is for weatherproof shade holders.

043138	58949	Cleat.....	1 $\frac{7}{8}$	5	250	160	.35
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No. 58949 has brass ring for standard shade holders.

043148	*9171	†Cleat.....	†	10	500	135	.10
043149	*50757	Cleat.....	†	10	250	70	.20

No. 50757 has copper fittings and screws.

043150	9394	†Cleat.....	†	10	250	70	.20
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*New Wrinkle Emergency Shade Holders may be attached to these receptacles.

†Supported by one screw in the center.

†Not National Electrical Code Standard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD—660 WATTS, 250 VOLTS

SCHEDULE B



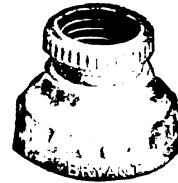
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No. 4001



No. 4002



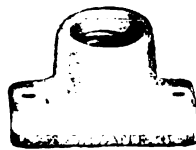
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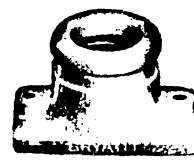
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No. 9401



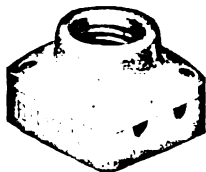
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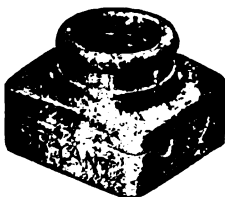
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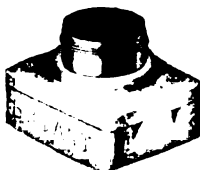
No. 4025



No. 42453



No. 58302



No. 58950

CONCEALED RECEPTACLES

Trade No.	Mfrs. No.	Outside Diam. Base, In.	Sup. Centered Inches	Screws	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
065437	*4000	2 $\frac{5}{8}$	1 $\frac{5}{8}$		10	250	95	\$0.25
For Weatherproof Shade Holder								
065438	*4001	2 $\frac{5}{8}$	1 $\frac{5}{8}$		10	250	95	.30
With Brass Ring for Standard Shade Holder								
065439	4002	2 $\frac{5}{8}$	1 $\frac{5}{8}$		10	250	90	.35
With Removable Ring								
065440	50744	2 $\frac{3}{8}$	1 $\frac{1}{4}$		10	100	45	.30
With Removable Ring and Double-pole Fuse—250 Watts, 125 Volts								
065441	9447	2 $\frac{1}{2}$	1 $\frac{5}{8}$		10	100	60	.45
With Single-Pole Fuse†								
043151	*9401	2 $\frac{3}{4}$	1 $\frac{5}{8}$		10	100	55	.40

WOOD MOLDING RECEPTACLES

071217	*4024	.....	2 $\frac{3}{4}$		10	250	85	.25
For Weatherproof Shade Holder								
071218	*4026	.....	2 $\frac{3}{4}$		10	250	90	.30
With Brass Ring for Standard Shade Holder								
071219	4025	.....	2 $\frac{3}{4}$		10	250	85	.35

Nos. 4024, 4026 and 4025 may also be used on $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe taplets.

Without Shade Holder Groove								
065442	*42453	.....	1 $\frac{9}{16}$		10	250	128	.25
For Weatherproof Shade Holder								
065443	*58302	.....	1 $\frac{9}{16}$		10	250	130	.30
With Brass Ring for Standard Shade Holder								
065444	58950	.....	1 $\frac{9}{16}$		10	250	123	.35

*New Wrinkle Emergency Shade Holders listed on another page may be attached to these receptacles.

†Not National Electrical Code Standard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT PORCELAIN RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE B



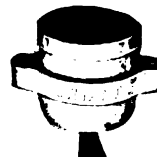
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No. 61777



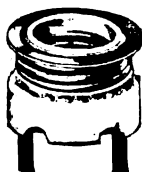
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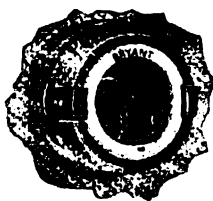
No. 59107



No. 4014



No. 4057



No. 4023



No. 4072

RECEPTACLES FOR CONDUIT BOXES AND METAL SIGNS

660 Watts, 250 Volts

Trade No.	Mfrs. No.	Description	Diam. of Hole Req., In.	Carton Pkg.	Std. Pkg.	Wt., Lbs.	Price Each
19907	4063	Sign receptacle.....	1 3/8	10	250	75	\$0.14
Holes for supporting screws are spaced 1 5/8 inches on centers.							
19906	61777	Sign receptacle.....	1 3/8	10	250	83	.17
Holes for supporting screws are spaced 1 5/8 inches on centers.							
043129	40488	Pony sign receptacle.....	1 3/8	10	250	60	.17
Holes for supporting screws are spaced 1 5/8 inches on centers.							
043119	59107	Conduit box receptacle (600 volts).....	1 1/2	10	250	100	.22
19911	4074	Receptacle with loop terminals.....	1 1/2	10	250	..	.17

No. 59107 is fitted with 6 inches of No. 14 B. & S. stranded rubber covered wire. Longer wires on special order. Extra charge, 9 cents list per foot.

No. 4074 is the same as No. 59107, except that the wires are omitted. Terminal plates to which conductors may readily be soldered are provided.

Holes for supporting screws are spaced 2 1/8 inches on centers.

071028	4014	Ruby sign receptacle with binding screws.....	1 5/8	10	250	65	.20
19908	4057	Ruby sign receptacle with stranded wires.....	1 5/8	10	250	75	.25

No. 4057 is fitted with 6 inches of No. 14 B. & S. stranded rubber covered wire. Longer wires on special order. Extra charge, 9 cents list per foot.

071029	4023	Universal sign receptacle	1 1/2	10	250	85	.20
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This receptacle may be installed in any position and all work is done from the rear.

19910	4072	Sign receptacle, 1-inch back.....	1 1/2	10	250	85	.20
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The receptacle is prevented from turning by three fins which bite into the metal of the sign.

All of the above receptacles may be used with New Wrinkle Emergency Shade Holders listed on another page. No. 4072 may also be used with New Wrinkle Receptacle Shade Holders listed on another page.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT PORCELAIN RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE B



No. 61988



No. 4099



No. 4035



No. 59108



No. 4003

RECEPTACLES FOR CONDUIT BOXES AND METAL SIGNS

660 Watts, 250 Volts

Trade No.	Mfrs. No.	Description	Diam. of Hole Req., In.	Std. Carton	Std. Pkg.	Wt., Lbs.	Price Each
043134	61988	Receptacle with screw ring, 1-inch back.....	1½	10	250	83	\$0.20
123474	*4099	Same as No. 61988, with covered terminals.....	1½	10	250	102	.25
19904	4035	Receptacle with stranded wires, 1-inch back.....	1½	10	250	95	.28
19905	4036	Same as No. 4035, less wires, 1-inch back.....	1½	10	250	80	.20

No. 4035 is fitted with 6 inches of No. 14 B. & S. stranded rubber covered wire. Longer wires on special order. Extra charge, 9 cents list per foot.

No. 4036 is the same as No. 4035, except that the wires are omitted. Terminal plates to which conductors may be readily soldered are provided.

043133	59108	Receptacle with screw ring, ½-inch back.....	1½	10	250	63	.20
123475	*4109	Same as No. 59108, with covered terminals.....	1½	10	250	82	.25
043135	4003	Weatherproof receptacle, screw ring, ⅝-inch back..	1½	10	250	100	.28

No. 4003 is like No. 59108, except that it has wire leads. It is fitted with 6 inches of No. 14 B. & S. stranded rubber covered wire. Longer wires on special order. Extra charge, 9 cents list per foot.

Shade holders which may be used in connection with the above receptacles are listed on another page.

RECEPTACLES FOR WOOD SIGNS

660 Watts, 250 Volts

043131	1700	†Pony sign receptacle.....	1⅞	10	250	78	.14
043130	50899	†Sign receptacle.....	1⅞	10	100	30	.25
043128	50782	†Sign receptacle.....	1⅞	10	100	50	.25

Holes for supporting screws are spaced 1⅞ inches on centers.

Nos. 50899 and 50782 differ only in the length of skirt, which is 1 inch in the former and 1¾ inches in the latter.

RECEPTACLES FOR TEMPORARY LIGHTING

660 Watts, 250 Volts

17746	4037	Porcelain temporary decorative receptacle.....		10	250	82	.24
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This receptacle is provided with pointed binding screws designed to pierce the insulation, making it unnecessary to strip the wires. Stranded wire is preferable for this use.

17747	4056	Mica temporary decorative receptacle.....		10	250	100	.30
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This receptacle is designed to be used in the same manner as No. 4037.

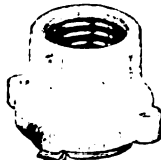
17748	4038	Temporary decorative cleat receptacle.....		10	250	103	.18
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This receptacle is designed to be used in the same manner as No. 4037. Holes for supporting screws are spaced 1⅞ inches on centers.

New Wrinkle Emergency Shade Holders listed on another page may be attached to above receptacles for wood signs and temporary lighting.

*In these receptacles a porcelain button covers the live terminals and takes the place of the usual method of waxing. This button is readily put in place without the use of tools.

†Not National Electrical Code Standard.



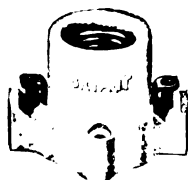
No. 1700



No. 4037



No. 4056



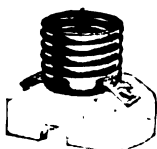
No. 4038

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

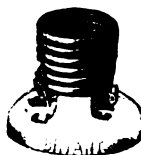
BRYANT PORCELAIN RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD
SCHEDULE B

No. 9514



No. 9397



No. 40507



No. 4064

RECEPTACLES FOR CONDUIT BOXES

660 Watts, 250 Volts

Trade No.	Mfrs. No.	Description	Sup. Screws Centered, In.	Carton Pkg.	Std. Pkg.	Wt., Lbs.	Price Each
043214	9514	Flush receptacle, two-piece.....	1 7/8	10	250	100	\$0.30
075696	4033	Flush receptacle, one-piece.....	1 7/8	10	250	100	.20
The hole required for these receptacles is 1 1/8 inches in diameter.							
Outside diameter of base is 2 3/8 inches.							
043120	*9397	Conduit box receptacle..	1 1/2	10	250	40	.20
043121	*40507	Conduit box receptacle..	1 1/4	10	250	40	.17
Outside diameter of base is 1 1/2 inches.							
043125	62357	Receptacle for 3 1/4-inch boxes.....	2 3/4	5	100	80	.35
17756	4064	Receptacle for 4-inch boxes.....	3 1/2	5	100	120	.45
Outside diameter of No. 62357 is 3 1/2 inches; No. 4064, 4 3/8 inches.							



No. 4110



No. 4113

RECEPTACLES FOR 3 1/4-INCH CONDUIT BOXES

660 Watts, 600 Volts

17759	4110	With black japanned cover.....	2 3/4	1	100	70	.30
17760	4111	With sherardized cover..	2 3/4	1	100	70	.31
17761	4112	With brush brass cover..	2 3/4	1	100	70	.40

Outside diameter is 3 1/4 inches.

Each receptacle is fitted with 6 inches of No. 14 B. & S. stranded rubber covered wire. Longer wires on special order. Extra charge, 9 cents list per foot.

RECEPTACLES FOR 4-INCH CONDUIT BOXES

660 Watts, 600 Volts

17762	4113	With black japanned cover.....	3 1/2	1	100	96	.32
17763	4114	With sherardized cover..	3 1/2	1	100	96	.33 1/2
17764	4115	With brush brass cover..	3 1/2	1	100	96	.44

Outside diameter is 4 1/4 inches.

Each receptacle is fitted with 6 inches of No. 14 B & S. stranded rubber covered wire. Longer wires on special order. Extra charge, 9 cents list per foot.



No. 62355

RECEPTACLES FOR 3/8 AND 1/2-INCH OBOURD
CONDULETS

660 Watts, 250 Volts

043123	62355	Condulet receptacle.....	..	10	250	103	.25
043124	62356	Condulet receptacle with groove for shade holder ..	..	10	250	110	.30

RECEPTACLES FOR ADAPTIBOXES

660 Watts, 250 Volts

17757	4076	Receptacle, with binding screws.....	2 5/8	10	250	57	.30
17758	4108	Receptacle, with loop terminals.....	2 5/8	10	250	57	.30

Outside diameter of base is 2 1/8 inches.

New Wrinkle Emergency Shade Holders listed on another page may be attached to all the above receptacles.

*Not National Electrical Code Standard.

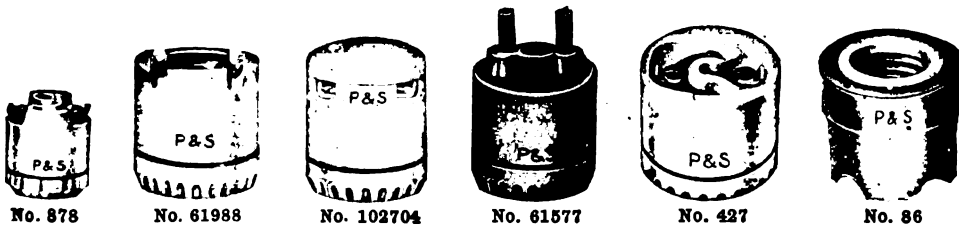


No. 4076

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & S PORCELAIN RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD



No. 878

No. 61988

No. 102704

No. 61577

No. 427

No. 86

FOR METAL SIGNS AND OUTLET BOXES

Sign receptacles are regularly equipped with contact shells rich in copper, and with bronze screws to hold them in place. Receptacles with copper terminals and copper-plated terminal screws can be furnished at an advance of 5 cents list. Rings only can be furnished at a list price of 6 cents each.

With Porcelain Rings and Rubber Gaskets*

Trade No.	Mfrs. No.	Diam. Inches Punch Required	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
054973	878	$\frac{3}{8}$	25	250	32	\$0.17

No. 878 has candelabra base.

054974	61988	$1\frac{1}{2}$	25	250	80	.20
054976	102704	$1\frac{1}{2}$	25	250	102	.25

No. 102704 has terminals enclosed by a porcelain button which screws on from back. Adapted to theater border lights, clusters, etc., permitting shallow trough.

054977	61577	$1\frac{1}{2}$	10	250	114	.28
054978	61578	$1\frac{1}{2}$	10	250	115	.36

No. 61577 body is unglazed. No. 61578 is glazed all over.

Nos. 61577 and 61578 are fitted with 6 inches of stranded No. 14 double braid, New Code rubber covered wire. Longer wires will be furnished on special orders. Extra wire, $4\frac{1}{2}$ cents, list, per foot, each conductor.

054979	427	$1\frac{1}{2}$	25	250	77	.20
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No. 427 is also for ceiling fixtures. Wires should be inserted under prong, the prong bent down and soldered. Sealing compound should then be poured over the terminals.

054980	86	$1\frac{5}{8}$	25	250	92	.20
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The front of No. 86 receptacle is practically flush with the front of the sign. May be painted to match the sign. The ring is made of non-corrosive gilders' metal, rich in copper. Furnished complete, with ring and gasket, and special wrench to tighten up the ring.

014365	437	$1\frac{1}{2}$	25	250	80	.20
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Sign and outlet box receptacle with wide ring complete, with gasket.

One-piece Receptacles

Trade No.	Mfrs. No.	Diam. Inches Punch Required	Sup. Screws Centered, In.	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
054982	61977	$1\frac{3}{8}$	$1\frac{3}{8}$	25	250	70	\$0.17
054984	677	$\frac{3}{4}$	$1\frac{3}{8}$	25	250	30	.16

No. 677 has candelabra base, and is for signs only.

054985	61777	$1\frac{3}{8}$	$1\frac{3}{8}$	25	250	75	.17
054987	778	$\frac{3}{4}$	$1\frac{3}{8}$	25	250	20	.16

No. 778 has candelabra base, and is for signs only.

054988	54	$1\frac{3}{8}$	$1\frac{3}{8}$	25	250	75	.14
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FOR WOOD SIGNS

054989	61072	$1\frac{1}{2}$	$1\frac{3}{8}$	25	250	65	.14
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No. 61072 has 1-inch skirt.

*Leather gaskets will be supplied when ordered, without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 437



No. 61977



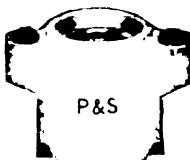
No. 677



No. 61777



No. 778



No. 54



No. 61072

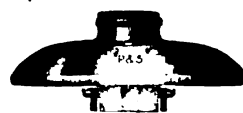
P & S CONDUIT BOX RECEPTACLES



No. 1009



No. 1010



No. 10

RECEPTACLES WITH PORCELAIN INSULATED BRASS SHELL



Nos. 62357 and 41

Trade No.	Mfrs. No.	For Box Size, In.	Sup. Screws Centered, In.	Outside Diam., In.	Carton	Std. Pkg.	Wt., Lbs.	Price Each
068247	1009	3¼	2¾	3½	1	100	90	\$0.45
101752	1010	3¼ or 4	2¾ & 3½	4½	1	100	134	.60
068248	10	3¼ or 4	2¾ & 3½	4½	1	100	134	.60
068249	85	3¼	2¾	3½	1	100	112	.50
068250	78	3¼ or 4	2¾ & 3½	4½	1	100	125	.65

Nos. 85 and 78 are Nos. 1009 and 1010 respectively, with wires.

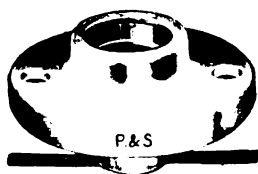


Nos. 111 and 110

WEATHERPROOF PORCELAIN RECEPTACLES

Without Shade Holder Groove

068253	62357	3¼	2¾	3½	1	100	85	.35
068254	111	4	3½	4½	1	100	124	.45
068255	109	3¼	2¾	3½	1	100	85	.35
068256	121	4	3½	4½	1	100	115	.50

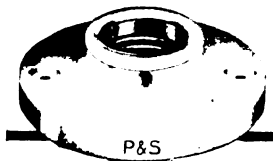


Nos. 109 and 121

With Shade Holder Groove

068257	41	3¼	2¾	3½	1	100	85	.40
068258	110	4	3½	4½	1	100	124	.50
068259	40	3¼	2¾	3½	1	100	85	.40
068260	122	4	3½	4½	1	100	115	.55

Nos. 109, 121, 40 and 122 are fitted with 6 inches of No. 14 stranded, single braid, rubber covered, New Code wire. Receptacles with longer wires furnished to order. Extra wire, 4½ cents per foot, each conductor.



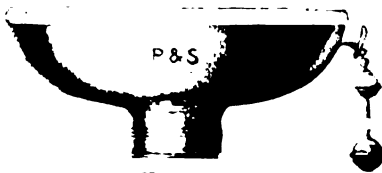
Nos. 40 and 122

FINISH.—Regular finish, brush brass. No extra charge for polished or old brass.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & S OUTLET BOX RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD



No. 428

RECEPTACLES FOR 3¼ OR 4-INCH BOXES

Designed for use with outlet boxes only. Complete, double break, pull mechanism. Packed one in a paper carton, each carton containing the screws to fasten to outlet boxes. Each receptacle is supplied with 6 inches of chain to which is attached 10 feet of black linen cord, complete with ball.

There are two sets of screw holes for fastening to the box, one set 2¾ inches on centers and the other 3½ inches on centers. Outside diameter, 4¼ inches.

Trade No.	Mfrs. No.	Description	Car- ton	Std. Pkg.	Wt. Lbs.	Price Each
12272	428	Complete.....	1	50	67	\$1.30

Brush brass furnished unless otherwise specified.



No. 288

RECEPTACLES WITH COVERS

For 3¼-inch Boxes

12262	288	Complete, with 3½-in. brush brass cover....	1	100	81	.40
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No extra charge for polished brass.

12263	442	Complete, with 3½-in. japanned iron cover..	1	100	81	.30
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12273	1176	Complete, with 3½-in. sherardized iron cover	1	100	81	.31
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Holes in cover are spaced 2¾ inches on centers.

Outside diameter, 3½ inches.



No. 289

For 4-inch Boxes

12264	289	Complete, with 4-in. brush brass cover....	1	100	100	.45
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No extra charge for polished brass.

12265	443	Complete, with 4-in. japanned iron cover....	1	100	100	.32
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12274	1177	Complete, with 4-in. sherardized iron cover	1	100	100	.33½
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Holes in cover are spaced 3½ inches on centers.

Outside diameter, 4½ inches.



No. 372

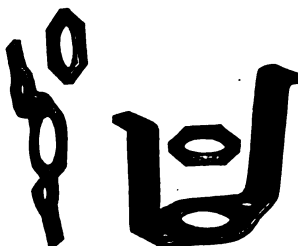
RECEPTACLES ONLY

076605	372	Receptacle only.....	10	100	42	.22
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Holes for supporting screws are spaced 2½ inches on centers.

Outside dimensions, 1½ x 2¼ inches.

Each receptacle is supplied with 6 inches of No. 14 stranded S. B. New Code rubber covered wire. Receptacles with longer wires furnished to order. Extra wire, 4½ cents list per foot, each conductor.

Nos. 1179
and 1182Nos. 1180
and 1181

CONDUIT BOX STRAPS

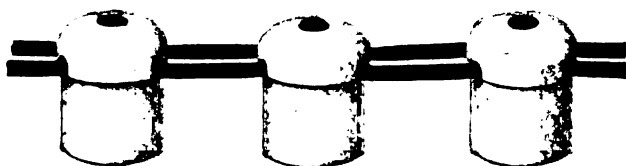
12275	1179	With ¾-inch locknut...	25	100	14	.05
12278	1182	With ½-inch locknut...	25	100	14	.05
12276	1180	With ¾-inch locknut...	25	100	17	.07
12277	1181	With ½-inch locknut...	25	100	17	.07

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT RECEPTACLES FOR DECORATIVE LIGHTING

NATIONAL ELECTRICAL CODE STANDARD—660 WATTS, 250 VOLTS

SCHEDULE B



Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
17743	4034	Porcelain decorative receptacle.....	10	250	60	\$0.20

These receptacles will be furnished "ready -wired," that is, supplied with approved stranded single braid rubber covered wire, connections soldered, and then filled with insulating compound, making the receptacles absolutely weatherproof.

These receptacles are put up in lengths of about 500 feet and will be so shipped, unless otherwise specified.

Additional lengths of wire can be supplied on either end of the streamers. Add 9 cents list per foot ($4\frac{1}{2}$ cents each conductor) for No. 14 wire, and 10 cents list per foot (5 cents each conductor) for No. 12 wire.

Receptacles Centered Inches	Wired with No. 14 Wire			Wired with No. 12 Wire		
	Trade No.	Mfrs. No.	Price per 100	Trade No.	Mfrs. No.	Price per 100
4	123489	4034A	\$26.00	123512	124034A	\$28.60
5	123490	4034B	26.75	123513	124034B	29.45
6	123491	4034C	27.50	123514	124034C	30.50
7	123492	4034D	28.25	123515	124034D	31.10
8	123493	4034E	29.00	123516	124034E	31.50
9	123494	4034F	29.75	123517	124034F	32.75
10	123495	4034G	30.50	123518	124034G	33.55
11	123496	4034H	31.25	123519	124034H	34.40
12	123497	4034J	32.00	123520	124034J	35.20
14	123498	4034K	33.50	123521	124034K	36.85
15	123499	4034M	34.25	123522	124034M	37.70
16	123500	4034N	35.00	123523	124034N	38.50
17	123501	4034P	35.75	123524	124034P	39.35
18	123502	4034Q	36.50	123525	124034Q	40.15
20	123503	4034R	38.00	123526	124034R	41.80
21	123504	4034S	38.75	123527	124034S	42.65
23	123505	4034T	39.50	123528	124034T	43.45
24	123506	4034U	41.00	123529	124034U	45.10
25	123507	4034V	41.75	123530	124034V	46.00
26	123508	4034W	42.50	123531	124034W	46.75
27	123509	4034X	43.25	123532	124034X	47.60
28	123510	4034Y	44.00	123533	124034Y	48.40
30	123511	4034Z	45.50	123534	124034Z	50.10

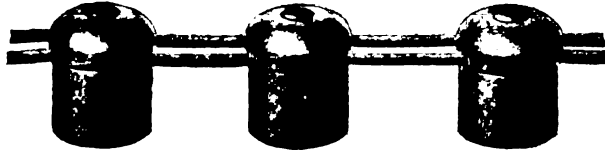
The price of receptacles spaced more than 30 inches apart is obtained by adding 75 cents per 100 receptacles per inch to the price of No. 4034Z for No. 14 wire, and 85 cents per 100 receptacles per inch to the price of No. 124034Z for No. 12 wire.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT RECEPTACLES FOR DECORATIVE LIGHTING

NATIONAL ELECTRICAL CODE STANDARD—660 WATTS, 250 VOLTS

SCHEDULE B



Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
17744	4041	Mica decorative receptacle	10	250	75	\$0.25

These receptacles will be furnished "ready-wired," that is, supplied with approved stranded single braid rubber covered wire, connections soldered, and then filled with insulating compound, making the receptacles absolutely weatherproof.

These receptacles are put up in lengths of about 500 feet and will be so shipped, unless otherwise specified.

Additional lengths of wire can be supplied on either end of the streamers. Add 9 cents list per foot ($4\frac{1}{2}$ cents each conductor) for No. 14 wire, and 10 cents list per foot (5 cents each conductor) for No. 12 wire.

Receptacles Centered Inches	Wired with No. 14 Wire			Wired with No. 12 Wire		
	Trade No.	Mfrs. No.	Price per 100	Trade No.	Mfrs. No.	Price per 100
4	123551	4041A	\$31.00	123574	124041A	\$33.60
5	123552	4041B	31.75	123575	124041B	34.45
6	123553	4041C	32.50	123576	124041C	35.50
7	123554	4041D	33.25	123577	124041D	36.10
8	123555	4041E	34.00	123578	124041E	36.50
9	123556	4041F	34.75	123579	124041F	37.75
10	123557	4041G	35.50	123580	124041G	38.55
11	123558	4041H	36.25	123581	124041H	39.40
12	123559	4041J	37.00	123582	124041J	40.20
14	123560	4041K	38.50	123583	124041K	41.85
15	123561	4041M	39.25	123584	124041M	42.70
16	123562	4041N	40.00	123585	124041N	43.50
17	123563	4041P	40.75	123586	124041P	44.35
18	123564	4041Q	41.50	123587	124041Q	45.15
20	123565	4041R	43.00	123588	124041R	46.80
21	123566	4041S	43.75	123589	124041S	47.65
22	123567	4041T	44.50	123590	124041T	48.45
24	123568	4041U	46.00	123591	124041U	50.10
25	123569	4041V	46.75	123592	124041V	51.00
26	123570	4041W	47.50	123593	124041W	51.75
27	123571	4041X	48.25	123594	124041X	52.60
28	123572	4041Y	49.00	123595	124041Y	53.40
30	123573	4041Z	50.50	123596	124041Z	55.10

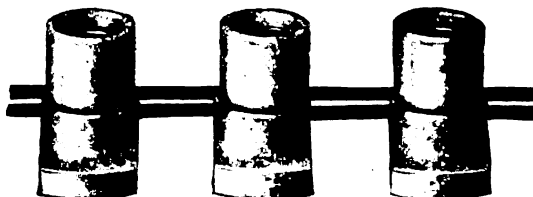
The price of receptacles spaced more than 30 inches apart is obtained by adding 75 cents per 100 receptacles per inch to the price of No. 4041Z for No. 14 wire, and 85 cents per 100 receptacles per inch to the price of No. 124041Z for No. 12 wire.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT RECEPTACLES FOR DECORATIVE LIGHTING

NATIONAL ELECTRICAL CODE STANDARD—660 WATTS, 250 VOLTS

SCHEDULE B



These receptacles provide a convenient and inexpensive means of outlining buildings, towers and other structures.

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
17745	4042	Decorative cleat receptacle.....	10	250	100	\$0.28 1/2

Holes for supporting screws are spaced $2\frac{1}{4}$ inches on centers.

These receptacles will be furnished "ready-wired," that is, supplied with approved stranded single braid rubber covered wire, connections soldered, and then filled with insulating compound, making the receptacles absolutely weatherproof.

These receptacles are put up in lengths of about 500 feet and will be so shipped unless otherwise specified.

Additional lengths of wire can be supplied on either end of the streamers. Add 9 cents list per foot ($4\frac{1}{2}$ cents each conductor) for No. 14 wire, and 10 cents list per foot (5 cents each conductor) for No. 12 wire.

Receptacles Centered Inches	Wired with No. 14 Wire			Wired with No. 12 Wire		
	Trade No.	Mfrs. No.	Price per 100	Trade No.	Mfrs. No.	Price per 100
4	123612	4042A	\$34.50	123635	124042A	\$37.10
5	123613	4042B	35.25	123636	124042B	37.95
6	123614	4042C	36.00	123637	124042C	39.00
7	123615	4042D	36.75	123638	124042D	39.60
8	123616	4042E	37.50	123639	124042E	40.00
9	123617	4042F	38.25	123640	124042F	41.25
10	123618	4042G	39.00	123641	124042G	42.05
11	123619	4042H	39.75	123642	124042H	42.90
12	123620	4042J	40.50	123643	124042J	43.70
14	123621	4042K	42.00	123644	124042K	45.35
15	123622	4042M	42.75	123645	124042M	46.20
16	123623	4042N	43.50	123646	124042N	47.00
17	123624	4042P	44.25	123647	124042P	47.85
18	123625	4042Q	45.00	123648	124042Q	48.65
20	123626	4042R	46.50	123649	124042R	50.30
21	123627	4042S	47.25	123650	124042S	51.15
22	123628	4042T	48.00	123651	124042T	51.95
24	123629	4042U	49.50	123652	124042U	53.60
25	123630	4042V	50.25	123653	124042V	54.50
26	123631	4042W	51.00	123654	124042W	55.25
27	123632	4042X	51.75	123655	124042X	56.10
28	123633	4042Y	52.50	123656	124042Y	56.90
30	123634	4042Z	54.00	123657	124042Z	58.60

The price of receptacles spaced more than 30 inches apart is obtained by adding 75 cents per 100 receptacles per inch to the price of No. 4042Z for No. 14 wire, and 85 cents per 100 receptacles per inch to the price of No. 124042Z for No. 12 wire.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT WEATHERPROOF RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD
SCHEDULE B

No. 9407



No. 44912



No. 9408

WEATHERPROOF RECEPTACLES

660 WATTS, 600 VOLTS

With Side Wires

Trade No.	Mfr. No.	Description	Carton Pkg.	Std. Wt., Lbs.	Std. Pkg.	Price Each
043218	9407	Weatherproof receptacle	10	100	79	\$0.40

Outside diameter of base is $2\frac{3}{4}$ inches.

Holes for supporting screws are spaced $2\frac{3}{8}$ inches on centers.

043217	44912	Pony weatherproof receptacle.....	10	100	55	.35
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Outside diameter of base is 2 inches.

Holes for supporting screws are spaced $1\frac{3}{8}$ inches on centers.

With Bottom Wires

043216	9408	Weatherproof receptacle	10	100	80	.40
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Outside diameter of base is $2\frac{1}{8}$ inches.

Holes for supporting screws are spaced $2\frac{1}{4}$ inches on centers.

043215	9411	Pony weatherproof receptacle	10	100	57	.35
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Outside diameter of base is $2\frac{3}{8}$ inches.

Holes for supporting screws are spaced $2\frac{3}{8}$ inches on centers.

Angle, with Side Wires

043219	30000	Angle weatherproof receptacle	10	100	85	.45
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WEATHERPROOF STREETHOOD SOCKETS

250 WATTS, 250 VOLTS

043142	25706	With side lugs.....	10	100	75	.27
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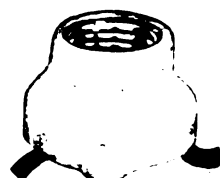
The malleable iron yoke is threaded for $\frac{3}{8}$ -inch iron pipe.

660 WATTS, 600 VOLTS

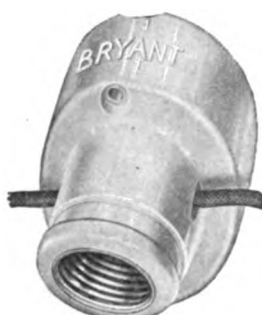
043143	25707	With wire leads.....	10	100	80	.44
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All of the above, except No. 25706, are fitted with 6 inches of No. 14 B. & S. stranded rubber covered wire. Longer wires on special order. Extra charge, 9 cents list per foot ($4\frac{1}{2}$ cents each conductor).

New Wrinkle Emergency Shade Holders listed on another page may be attached to any of the above sockets or receptacles.



No. 9411



No. 30000



No. 25706



No. 25707

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT WEATHERPROOF SOCKETSNATIONAL ELECTRICAL CODE STANDARD
SCHEDULE B

No. 399



No. 9366



No. 50997



No. 60666



No. 43310



No. 43311



No. 43314



No. 9448

PORCELAIN SOCKETS

Trade No.	Mfrs. No.		Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
050558	*399	Weatherproof socket.....	10	250	75	\$0.12½
073106	*9366	Weatherproof socket for shade holder.....	10	250	80	.20

BRAGDON SOCKETS

Extension edge carries the drip away from the lamp and socket. Method of wiring at the top removes the strain from the socket itself and places it on the porcelain. Extra hole in porcelain at top allows for independent suspension, if desired.

073107	*50997	Weatherproof socket.....	10	250	165	.50
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COMPOSITION SOCKETS

073108	60666	Weatherproof socket.....	10	250	85	.24
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HARD RUBBER SOCKETS

073110	50788	Weatherproof socket.....	10	250	60	1.00
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The above weatherproof sockets are fitted with 6 inches of No. 14 B. & S. stranded rubber covered wire.

MOLDED SOCKETS

073112	43310	Weatherproof socket.....	10	250	60	.22
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The above weatherproof sockets are fitted with 6 inches of No. 14 B. & S. stranded rubber covered wire.

Sockets with longer wires furnished on special order. Extra charge, 9 cents list per foot.

MOLDED BRACKET SOCKETS

Wires Inside of Pipe—660 Watts, 250 Volts

073115	43311	Weatherproof bracket socket, 1/8-inch.....	10	100	30	.60
073116	43312	Weatherproof bracket socket, 3/8-inch.....	10	100	30	.60

Wires Outside of Pipe—660 Watts, 600 Volts

073117	43313	Weatherproof bracket socket, 1/8-inch.....	10	100	30	.60
073118	43314	Weatherproof bracket socket, 3/8-inch.....	10	100	30	.60

PORCELAIN BRACKET SOCKETS

660 Watts, 250 Volts

073113	*9448	Weatherproof socket, 1/8-inch..	10	100	40	.60
073114	*9496	Weatherproof socket, 3/8-inch..	10	100	45	.60

Cap is a brass casting, polished and lacquered and fitted with steel set screw.

The above sockets are fitted with 6 inches of No. 18 B. & S. solid rubber-covered fixture wire. Sockets with longer wires furnished on special order. Extra charge, 9 cents list per foot.

*New Wrinkle Emergency Shade Holders listed on another page may be attached to these sockets.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WATIGHT RECEPTACLES AND GLOBES

NATIONAL ELECTRICAL CODE STANDARD



The Watight Combined Waterproof Receptacle and Globe is exactly what its name implies, being a receptacle to take a 25-watt, 40-watt or 60-watt Mazda lamp with Edison base. To this receptacle a water and moisture-proof globe is fitted, making a combination receptacle and globe which is water-proof and made entirely of non-absorbing and non-corrosive material, making it impervious to climatic changes.



Type A

The porcelain used in the construction of the cap, or receptacle part, is highly glazed, non-absorbent, and very strong. The clear globe is made of the best flint glass and consequently is strong. It is threaded to screw to the porcelain cap, which is also threaded, and a rubber gasket between the two makes it water-tight.

The conducting wires enter at the top of the receptacle and are made of No. 14 B. & S. rubber covered wire. The top is filled with a composition that will not soften in heat, nor crack, nor absorb moisture. The braid on the rubber covered wire is carried just beneath the surface of the cap and then discontinued, consequently the braid does not carry moisture to the interior of the receptacle. The diameter of the opening in the globe is 3 inches and the globe is 6½ inches long.



Type B

The Watight Combined Waterproof Receptacle and Globe is made in three styles. Style A is receptacle complete with two conducting wires 8 inches long. Style B is a Style A receptacle with same length conducting wires, but with an iron pipe connection fitted with a cap or receptacle and tapped with ½-inch iron pipe. Style C is also a Style A receptacle with the same length of conducting wires, and to the cap is fitted an iron flange for securing direct to the wall or ceiling. The flange is secured to the cap by means of set screws.

TYPE A

This is the pendent type and hangs suspended by its conducting wires. Unless otherwise specified, 8-inch wires are furnished.

Trade No.	Mfrs. No.	Description	Price per Doz.
073188	6504	Edison Base, 8-inch wires.....	\$15.00

TYPE B

This is the bracket type. Cover is threaded to screw on regular ½-inch iron conduit pipe. Unless otherwise specified, 8-inch wires are furnished.

073187	7173	Edison Base, 8-inch wires.....	18.00
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TYPE C

This is the flange type. Cover is flanged and can be screwed to wall, ceiling or other support. Unless otherwise specified, 8-inch wires are furnished.

073188	7175	Edison Base, 8-inch wires.....	18.00
Extra length of wire on all the above receptacles, per foot.....			.05



Type C

WATIGHT WIRE GUARDS

These guards fit tightly over globe and are secured at top.

Trade No.	Mfrs. No.	Price per Doz.
073189	11604	\$4.00



Wire Guard

PARTS

Trade No.	Mfrs. No.	Description	Price per Doz.
073190	15162	Clear globes	\$4.00
073191	15163	Blue globes	9.00
073192	15164	Green globes	9.00
073193	15165	Ruby globes	9.00
073194	15166	Type B couplings	2.70
073195	15168	Type C flanges	2.70
073196	15169	Rubber gaskets .....	.40

The colored globes are genuine colored glass.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT SOCKETS

NATIONAL ELECTRICAL CODE STANDARD—1500 WATTS, 600 VOLTS

SCHEDULE B

SOCKETS FOR MOGUL BASE LAMPS



No. 4021



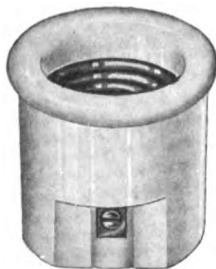
No. 4095



No. 4097



No. 4027



No. 4062



No. 4073

BRASS SHELL SOCKETS

Trade No.	Mfrs. No.	Style	Carton	Std. Pkg.	Wt., Lbs.	Price Each
065435	4021	Keyless, $\frac{3}{8}$ -inch cap	10	50	35	\$1.50
065436	4022	Keyless, $\frac{1}{2}$ -inch cap	10	50	35	1.50

With $\frac{3}{4}$ -inch Shade Holder Attached

076595	4027	Keyless, $\frac{3}{8}$ -inch cap	1	50	50	1.80
076596	4028	Keyless, $\frac{1}{2}$ -inch cap	1	50	55	1.80

MOGUL WALL SOCKETS

Porcelain Base for $\frac{3}{4}$ and 4-inch Outlet Boxes

92339	4095	Keyless	1	50	100	1.50
92340	4096	Keyless, with $\frac{3}{4}$ -inch shade holder	1	50	105	1.80

Diameter of base is $4\frac{5}{8}$ inches.Holes for supporting screws are spaced $2\frac{3}{4}$ and $3\frac{1}{2}$ inches on centers.Brass Covered Base for $\frac{3}{4}$ and 4-inch Outlet Boxes

92341	4097	Keyless	1	50	95	1.75
92342	4098	Keyless, with $\frac{3}{4}$ -inch shade holder	1	50	100	2.05

Diameter of base is $4\frac{5}{8}$ inches.Holes for supporting screws are spaced $2\frac{3}{4}$ and $3\frac{1}{2}$ inches on centers.

PORCELAIN SOCKETS

17732	4062	Keyless	1	20	15	.55
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Outside diameter of base is $2\frac{1}{4}$ inches.Holes for supporting screws are spaced $1\frac{1}{2}$ inches on centers.

PORCELAIN RECEPTACLES

92338	4073	Cleat base	1	50	50	.75
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Holes for supporting screws are spaced $2\frac{7}{8}$ inches on centers.

All of the above sockets can be equipped with an improved lamp grip, when so specified, at an additional price of 5 cents.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT PORCELAIN SOCKETS

NATIONAL ELECTRICAL CODE STANDARD—1500 WATTS, 600 VOLTS
SCHEDULE B

Cap of No. 4077



Cap of No. 4069



Cap of No. 4078

KEYLESS MOGUL PORCELAIN SOCKETS

Trade No.	Mfrs. No.	Description	Without Cap or Yoke			
			Carton	Std. Pkg.	Wt. Lbs.	Price Each
105201	4077	Without cap or yoke.....	1	50	70	\$0.70

Holes for supporting screws are spaced $1\frac{1}{2}$ inches on centers.

With Aluminum Cap

105202	4069	With $\frac{3}{8}$ -inch cap.....	1	50	75	1.00
105203	4070	With $\frac{1}{2}$ -inch cap.....	1	50	78	1.00
105204	4071	With $\frac{3}{4}$ -inch cap.....	1	50	80	1.00

With Cast Iron Yoke

105205	4078	With $\frac{3}{8}$ -inch cap.....	1	50	88	.85
105206	4079	With $\frac{1}{2}$ -inch cap.....	1	50	88	.85
105207	4080	With $\frac{3}{4}$ -inch cap.....	1	50	88	.85

WEATHERPROOF KEYLESS MOGUL PORCELAIN SOCKETS

Without Cap or Yoke

105208	4081	With 15-inch wires*.....	1	50	60	.70
105209	4088	No wires†.....	1	50	46	.55

Holes for supporting screws are spaced $1\frac{1}{4}$ inches on centers.

With Aluminum Cap

105210	4082	With $\frac{3}{8}$ -inch cap, 15-inch wires*..	1	50	60	1.00
105211	4083	With $\frac{1}{2}$ -inch cap, 15-inch wires*..	1	50	60	1.00
105212	4084	With $\frac{3}{4}$ -inch cap, 15-inch wires*..	1	50	60	1.00
105213	4089	With $\frac{3}{8}$ -inch cap, no wires†.....	1	50	60	.85
105214	4090	With $\frac{1}{2}$ -inch cap, no wires†.....	1	50	60	.85
105215	4091	With $\frac{3}{4}$ -inch cap, no wires†.....	1	50	60	.85

With Cast Iron Yoke

105216	4085	With $\frac{3}{8}$ -inch cap, 15-inch wires*..	1	50	60	.85
105217	4086	With $\frac{1}{2}$ -inch cap, 15-inch wires*..	1	50	73	.85
105218	4087	With $\frac{3}{4}$ -inch cap, 15-inch wires*..	1	50	73	.85
105219	4092	With $\frac{3}{8}$ -inch yoke, no wires†.....	1	50	60	.70
105220	4093	With $\frac{1}{2}$ -inch yoke, no wires†.....	1	50	68	.70
105221	4094	With $\frac{3}{4}$ -inch yoke, no wires†.....	1	50	68	.70

Any of the above sockets can be equipped with an improved lamp grip, when so specified, at an additional price of 5 cents.

*Longer wires furnished at $4\frac{1}{2}$ cents list per foot per conductor.

†Preferable where wires of various lengths are wanted at short notice. Equipped with loop terminals into which wires provided by customers may be hooked and soldered.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Socket Body of No. 4077



No. 4081



No. 4082



No. 4085

BENJAMIN MOGUL BASE SOCKETS

NATIONAL ELECTRICAL CODE STANDARD

1500 WATTS, 600 VOLTS

BENCO SOCKETS, Nos. 4210-4299

Bencos Nos. 4210-4299 are highly insulated, porcelain-lined, brass shell keyless sockets for use with mogul base lamps. Standard finishes are brush brass and natural copper.



No. 4210

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
047316	4210	Brush brass, $\frac{3}{8}$ -inch bushing.....	20	\$1.40
120378	4297	Brush brass, $\frac{1}{2}$ -inch bushing.....	20	1.40
120379	4298	Natural copper, $\frac{3}{8}$ -inch bushing.....	20	1.40
120380	4299	Natural copper, $\frac{1}{2}$ -inch bushing.....	20	1.40

Type S Screw Threaded Shade Holders

These shade holders are designed for use with Mogul Bencos Nos. 4210-4299. They are of proper depth and adequately ventilated.



No. B4252

120381	B-4252	Brush brass, $3\frac{1}{4}$ -inch.....	20	.60
120382	B-4254	Brush brass, 4-inch.....	20	.80
120383	B-4256	Brush brass, 5-inch.....	20	1.10
120384	B-4258	Brush brass, 6-inch.....	20	1.30
120385	C-4252	Natural copper, $3\frac{1}{4}$ -inch.....	20	.60
120386	C-4254	Natural copper, 4-inch.....	20	.80
120387	C-4256	Natural copper, 5-inch.....	20	1.10
120388	C-4258	Natural copper, 6-inch.....	20	1.30

SOCKETS, Nos. 4274-4277

These sockets are porcelain-lined, brass covered devices for interior work. Standard finish is brush brass.



No. 4274

27465	4274	$\frac{3}{8}$ -inch bushing, less lamp grip.....	20	1.00
120389	4275	$\frac{3}{8}$ -inch bushing, with lamp grip.....	20	1.10
27466	4276	$\frac{1}{2}$ -inch bushing, less lamp grip.....	20	1.00
120390	4277	$\frac{1}{2}$ -inch bushing, with lamp grip.....	20	1.10

PORCELAIN SOCKETS

These sockets are arranged for attaching to a surface or bracket by means of screws passing through the base. Wires in Nos. 69 and 691 lead in at the sides; in Nos. 169 and 692 through the base. The latter are used in Benjamin Reflector Sockets. Screw holes are spaced $1\frac{1}{4}$ inches on centers.



No. 69

047318	69	Open terminals.....	20	.55
106246	691	Open terminals with lamp grip.....	20	.65
27464	169	Concealed terminals.....	20	.55
106247	692	Concealed terminals with lamp grip..	20	.65

Cast Iron Fittings

106252	3846	Open fitting, tapped $\frac{1}{2}$ inch.....	20	.15
106253	3847	Open fitting, tapped $\frac{3}{8}$ inch.....	20	.15
106254	2569	Weatherproof flange, tapped $\frac{1}{2}$ inch.	20	.20
106255	2669	Weatherproof flange, tapped $\frac{3}{8}$ inch.	20	.20

TWO-PIECE PORCELAIN SOCKETS

These sockets have means for attaching to a flange or surface. Wires are brought in through side outlets in upper base in Nos. 693 and 695, and screw holes are spaced $1\frac{1}{4}$ inches on centers; in Nos. 696 and 698, through central opening, with screw holes slotted for $1\frac{1}{2}$ to $1\frac{3}{4}$ -inch centers.



No. 695

120391	693	Less lamp grip.....	20	.70
120392	695	With lamp grip.....	20	.80
120393	696	Less lamp grip.....	20	.70
120394	698	With lamp grip.....	20	.80

Cast Iron Fittings for Nos. 696 and 698

106256	2571	Weatherproof flange, $\frac{1}{2}$ -inch.....	20	.30
106257	2573	Weatherproof flange, $\frac{3}{4}$ -inch.....	20	.30
106258	2575	Weatherproof flange, 1-inch.....	20	.40
106259	2577	Weatherproof flange, $1\frac{1}{4}$ -inch.....	20	.40

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

G-E SOCKETS

FOR SERIES INCANDESCENT SYSTEM



No. 25708



No. 29170



No. 25711

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 25720



No. 25712



No. 25713



No. 25714

Trade No.	Mfrs. No.	Description	Price Each
052537	25708	Porcelain series socket and receptacle complete, including iron yoke No. 25714, for use with Mogul Screw Base Lamps.....	\$2.00
052538	GE065	Porcelain series socket and receptacle complete, with iron yoke No. GE067, for use with Mogul Screw Base Lamps.....	2.00
052539	29170	Porcelain series socket and receptacle complete, with iron yoke No. 29172, for medium screw base lamps	1.50
052540	25711	Porcelain series socket only, for Nos. 25708 and GE065.....	1.00
052541	25720	Porcelain series socket only, for No. 29170.....	.50
052542	25712	Porcelain receptacle, with clips and iron yoke No. 25714	1.00
052544	29171	Porcelain receptacle, with clips and iron yoke No. 29172	1.00
052543	GE066	Porcelain receptacle, with clips and iron yoke No. GE067	1.00
052545	25713	Porcelain receptacle, with clips only.....	.85
052546	25714	Iron yoke, with two screws No. 10252 ($\frac{7}{8}$ -inch—18 thread).....	.15
052547	29172	Iron yoke, with two screws No. 10252 ($\frac{7}{8}$ -inch—18 thread).....	.15
052548	GE067	Iron yoke, with two screws No. 10252 ($\frac{1}{2}$ -inch pipe thread).....	.15
57021	65951	Aluminum disk cut-out.....	.01½

FEDERAL PORCELAIN SOCKETS



No. 353



No. 303



No. 302



No. 310



No. 314



No. 315

LARGE BASE WEATHERPROOF SOCKETS

These large base weatherproof porcelain sockets will be found very useful by fixture manufacturers and for general use where large base 400 and 500-watt lamps are used.

The sockets are made of best vitrified porcelain with pure copper lamp shell. The exterior is smooth without projections of any kind.

A small saddle clip (not shown in the illustration) for securing the socket to ordinary gas pipe conduit, may be attached to the back of the socket, by screws inserted from the front. The outside dimensions of the socket are $2\frac{7}{8} \times 2\frac{7}{8}$ inches. Special length leads can be furnished on these sockets when ordered in 500 lots, at \$0.006 list per extra inch. Price includes both wires. In less than 500 lots, an extra 10 per cent of the price of socket with special length leads will be charged.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
66719	353	With 4-inch leads, without saddle clip	50	\$0.60
66720	....	Cast iron saddle clip, for No. 353 socket, tapped for $\frac{3}{8}$ -inch pipe, including screws for attaching.....	50	.10

CLAMP SOCKETS

Weatherproof Outlet Box Receptacles

023107	304	Edison Socket, screw contact	100	.20
023108	303	W. P. socket, with 4-inch leads.....	100	.24
023111	303	W. P. socket, with 9-inch leads.....	100	.27
023109	302	W. P. socket, with 4-inch leads.....	100	.24
023110	302	W. P. socket, with 9-inch leads.....	100	.27

No. 304 is same as No. 303, but with screw contacts instead of leads.

No. 303 attaches to cover by ring on the back, while No. 302 attaches by ring on front of socket.

Candelabra Receptacles

088425	310	Screw contacts.....	100	.16
088426	312	4-inch leads.....	100	.20

Nos. 310 and 312 fit holes $1\frac{1}{8}$ inches in diameter.

Adapters

023112	314	Edison to candelabra base.....	50	.14
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Porcelain Candles

36078	315	Edison to candelabra base.....	50	.35
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H SOCKETS

NATIONAL ELECTRICAL CODE STANDARD—660 WATTS, 250 VOLTS



No. 7500



No. 7506

BRASS SHELL SOCKETS

C-H Brass Shell Sockets have four distinctive features. Push buttons replace the ordinary key; the quick make and break mechanism has the high rating of 660 watts, 250 volts; they are indicating; a locking nozzle replaces the tiny and weak set screw for securing the socket to the fixture.

All pendent sockets are provided with an easily wired, effective strain relief, at no additional charge.



No. 7560



No. 7510



No. 7501



No. 7511

Push Sockets

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
87168	7500	1/8-inch cap.....	25	500	100	\$0.33
87169	7502	1/4-inch cap.....	25	250	55	.39
87170	7504	3/8-inch cap.....	25	250	58	.39
87171	7506	Pendent, with strain relief.....	25	500	100	.33
87184	7520	1/8-inch male cap.....	25	500	100	.33
87185	7522	1/4-inch male cap.....	25	250	55	.42
87186	7524	3/8-inch male cap.....	25	250	58	.42
87187	7560	1/8-inch cap with extra insulation bushed inlet..	25	250	55	.35
126101	7562	1/8-inch cap with extra metal bushed inlet....	25	250	55	.35

Removable Button Push Sockets

126107	7510	1/8-inch cap.....	25	250	47	.40
126108	7512	1/4-inch cap.....	25	250	55	.46
126109	7514	3/8-inch cap.....	25	250	58	.46
126110	7530	1/8-inch male cap.....	25	250	47	.40
126111	7532	1/4-inch male cap.....	25	250	55	.46
126112	7534	3/8-inch male cap.....	25	250	58	.46

Keyless Sockets

87172	7501	1/8-inch cap.....	25	500	100	.30
87173	7503	1/4-inch cap.....	25	250	55	.36
87174	7505	3/8-inch cap.....	25	250	58	.36
87175	7507	Pendent, with strain relief	25	500	91	.30
126102	7521	1/8-inch male cap.....	25	500	100	.30
126103	7523	1/4-inch male cap.....	25	250	55	.39
126104	7525	3/8-inch male cap.....	25	250	58	.39
126105	7571	1/8-inch cap with extra insulation bushed inlet	25	250	55	.32
126106	7573	1/8-inch cap with extra metal bushed inlet....	25	250	55	.32

Electrolite Keyless Sockets

87176	7511	1/8-inch cap.....	25	500	71	.30
87177	7513	1/4-inch cap.....	25	250	42	.36
87178	7515	3/8-inch cap.....	25	250	44	.36
87179	7531	1/8-inch male cap.....	25	500	70	.30
87180	7533	1/4-inch male cap.....	25	250	40	.39
87181	7535	3/8-inch male cap.....	25	250	43	.39
87182	7575	1/8-inch cap with extra insulation bushed inlet	25	250	40	.32
87183	7577	1/8-inch cap with extra metal bushed inlet....	25	250	40	.32

Standard finishes are polished brass and special brass. Special brass shipped unless otherwise specified. Other finishes can be furnished at the regular advance.

Two-inch push buttons for standard socket cover or husk will be furnished when specified without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H WALL SOCKETS

WITH PORCELAIN BASE FOR CONCEALED WORK

NATIONAL ELECTRICAL CODE STANDARD—660 WATTS, 250 VOLTS



No. 7550

PUSH WALL SOCKETS

Trade No.	Mfrs. No.	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
126118	7550	10	250	80	\$0.44



No. 7551

KEYLESS WALL SOCKETS

Trade No.	Mfrs. No.	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
126119	7551	10	250	80	\$0.40

SHORT KEYLESS WALL SOCKETS

Trade No.	Mfrs. No.	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
126120	7561	10	250	75	\$0.40



No. 7561

Standard finishes are polished brass and brush brass. Brush brass shipped unless otherwise specified. Other finishes can be furnished at the regular advance.

Supporting screw holes in porcelain bases are spaced 1-inch on centers. Outside diameter base 2 inches.

The brass shells of these wall sockets are interchangeable with C-H brass shell fixture and pendent sockets.



No. 7400

PORCELAIN PUSH SOCKETS

Porcelain indicating push sockets are made in both the pendent and fixture styles. The fixture sockets have the automatic locking nozzle which firmly secures the socket to the fixture and eliminates the small set screw.



No. 7401

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
058199	7400	Pendent	10	100	42	\$0.30
66717	7401	1/8-inch brass cap	10	100	42	.35
66718	7405	3/8-inch brass cap	10	100	42	.35

Standard finishes of porcelain sockets are gray, brown and white. Gray shipped unless otherwise specified.

Standard finishes of nozzles are polished brass and special brass. Polished brass shipped unless otherwise specified. For polished nickel finish, add 2 cents to list price.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H SOCKETS

CANDLE LENGTH TYPE

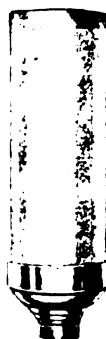
660 Watts, 250 Volts



No. 7516



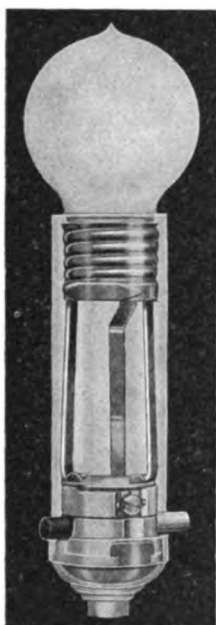
No. 7528



No. 7517



No. 7529



Candle Length Socket
Showing Unit
Construction; Substantial
Supports hold the
Screw Shell and also
Serve as Conductors



No. 7509

Candle length sockets are furnished in one complete unit, thus eliminating the need for stocking, handling and assembling the various parts required for the usual candle light fixture. This makes the work of installing as easy as with the regular standard lamp sockets. Being in one unit entirely assembled, the C-H candle length sockets save considerable time in making up fixtures.

Two styles of these sockets are made, one having the standard cap and the other a cap with an extra inlet in the side. Both styles are made with or without push buttons.

Candle length sockets Nos. 7528 and 7529 are particularly useful where a solid pedestal is used. There is a side inlet in the cap through which the lamp cord may be passed, making it unnecessary to wire the pedestal.

Like all C-H Sockets, these candle length types have the highest socket rating of 660 watts, 250 volts.

PUSH-BUTTON SOCKETS

White Candle, Brush Brass Cap

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt. Lbs.	Price Std. Pkg. Each
132378	7516*	1/8-inch cap.....	10	100	25	\$0.85
132379	7518*	1/4-inch cap.....	10	100	25	.94
132380	7526*	3/8-inch cap.....	10	100	25	.91
132381	7536	1/8-inch cap, with extra insulation bushed inlet.....	10	100	25	.87
132382	7528	1/8-inch cap, with extra metal bushed inlet.....	10	100	25	.87
132389	7564	1/8-inch cap, with removable push buttons.....	10	100	25	.92

KEYLESS SOCKETS

White Candle, Brush Brass Cap

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt. Lbs.	Price Std. Pkg. Each
132383	7517*	1/8-inch cap.....	10	100	25	.70
132384	7519*	1/4-inch cap.....	10	100	25	.79
132385	7527*	3/8-inch cap.....	10	100	25	.76
132386	7537	1/8-inch cap, with extra insulation bushed inlet.....	10	100	25	.72
132387	7529	1/8-inch cap, with extra metal bushed inlet.....	10	100	25	.72

Length of candles, exclusive of cap, 4 inches. Five and six inch candles furnished at additional cost of 5 cents per inch.

White caps will be furnished on above instead of brush brass without extra charge.

CANDLE FIXTURE SOCKETS

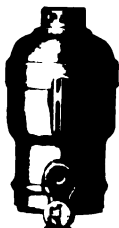
No. 7509 Fiber Candle Socket is arranged to be supported inside the candle on an adjustable stem with fixture wires connecting to a switch mechanism below or directly into fixture arm when no switch is used. This socket can be used in candles measuring 1 3/8 inches or more inside diameter.

132388 7509* Keyless, 1/8-inch nipple..... 25 250 15 .30

*National Electrical Code Standard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & S SHURLOK SOCKETS AND RECEPTACLES

Sectional View
of Shurlok AttachmentNo. 100421, Socket
with Shurlok Attach-
ment and Sealing Device

No. 540 Shurlok



No. 43310 Shurlok



No. 1299, Key

P & S Shurlok is a device sold already attached to P & S Sockets and Receptacles, whereby the theft of the lamp is absolutely prevented.

A small set screw with a triangular head and pointed end is introduced into the base of the lamp by means of a special key. When this set screw is placed in position it is impossible to remove it without the use of this special key. The head of the set screw is recessed a considerable distance down into the fiber bushing so it cannot be reached with tools. The key required is of peculiar shape and keys of various descriptions already on the market will not fit it.

The keys for the Shurlok are not given away but are sold 35 cents each, net, regardless of quantity.

It is possible to purchase Shurlok Sockets constructed so that private seal can be attached. In ordering sockets of this description add the words "With Sealing Holes." There is no additional charge for supplying the holes. Wire or the lead seals are not supplied.

WEATHERPROOF SOCKETS

CONDENSITE

6-inch Wire

Trade No.	Mfrs. No.	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
105989	540 Shurlok	25	100	30	\$0.75

MOLDED MICA

6-inch Wire

77079	43310 Shurlok	25	100	28	.49
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24-inch Wire

105990	43310A Shurlok	..	100	30	.63
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48-inch Wire

105991	43310B Shurlok	..	100	32	.89
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KEYS

Trade No.	Mfrs. No.	Net Price Each
14417	1299	\$0.35

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & S SHURLOK SOCKETS AND RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD

FLUTO INTERCHANGEABLE SHELL SOCKETS



No. 100421 Shurlok



No. 446 Shurlok



No. 7 Shurlok



No. 156 Shurlok



No. 449 Shurlok

Sockets with 1/4-inch Cap						
Trade No.	Mfrs. No.	Style	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
76888	100421 Shurlok	Key, D. P.	25	100	30	\$0.60
120917	298 Shurlok	1-in. key, D. P.	25	100	30	.60
120918	59480 Shurlok	Key, S. P.	25	100	30	.60
120919	600 Shurlok	Key, 660 watts	25	100	30	.63
76890	100422 Shurlok	Keyless	25	100	29	.57
76891	90 Shurlok	Pull	25	100	30	.87
Sockets with 1/2-inch Cap						
76892	60 Shurlok	Key, D. P.	25	100	30	.69
120920	7509 Shurlok	Key, S. P.	25	100	30	.69
120921	606 Shurlok	Key, 660 watts	25	100	30	.72
76893	61 Shurlok	Keyless	25	100	29	.66
76894	120 Shurlok	Pull	25	100	30	.96
Sockets with 3/4-inch Cap						
76895	100423 Shurlok	Key, D. P.	25	100	30	.66
120922	59481 Shurlok	Key, S. P.	25	100	30	.66
120923	612 Shurlok	Key, 660 watts	25	100	30	.69
76896	100424 Shurlok	Keyless	25	100	29	.63
76900	91 Shurlok	Pull	25	100	30	.93
Sockets with Pendant or Strain Relief Cap						
76897	100425 Shurlok	Key, D. P.	25	100	30	.60
120924	59486 Shurlok	Key, S. P.	25	100	30	.60
120925	614 Shurlok	Key, 660 watts	25	100	30	.63
76898	100426 Shurlok	Keyless	25	100	29	.57
76899	92 Shurlok	Pull	25	100	30	.87

FLUTOLIER INTERCHANGEABLE SHELL SOCKETS

Sockets with 1/4-inch Cap						
109446	446 Shurlok	Key, S. P.	25	100	25	.60
109448	447 Shurlok	Keyless	25	100	25	.57
109450	438 Shurlok	Pull	25	100	23	.87
Sockets with 1/2-inch Cap						
120926	558 Shurlok	Key, S. P.	25	100	25	.69
120927	513 Shurlok	Keyless	25	100	25	.66
120928	515 Shurlok	Pull	25	100	20	.96
Sockets with 3/4-inch Cap						
109452	494 Shurlok	Key, S. P.	25	100	25	.66
109454	498 Shurlok	Keyless	25	100	25	.63
109456	499 Shurlok	Pull	25	100	20	.93

FLUTO INTERCHANGEABLE SHELL RECEPTACLES

Receptacles for Use on 3/4-inch Outlet Boxes						
076708	7 Shurlok	Key, D. P.	1	100	102	.90
120929	7513 Shurlok	Key, S. P.	1	100	102	.90
120930	621 Shurlok	Key, 660 watts	1	100	102	.93
076709	1 Shurlok	Keyless	1	100	98	.87
76979	128 Shurlok	Pull	1	50	55	1.27
Receptacles for Use on 3/4 and 4-inch Outlet Boxes						
76983	42 Shurlok	Key, D. P.	1	100	180	1.20
76993	816 Shurlok	Key, S. P.	1	100	180	1.20
120931	623 Shurlok	Key, 660 watts	1	100	180	1.23
76984	44 Shurlok	Keyless	1	100	176	1.17
76985	149 Shurlok	Pull, 18-in. chain	1	50	90	1.57
Receptacles with Large Concealed Base						
76960	60430 Shurlok	Key, D. P.	10	100	69	.76
76976	812 Shurlok	Key, S. P.	10	100	69	.76
120932	619 Shurlok	Key, 660 watts	10	100	69	.79
76962	60431 Shurlok	Keyless	10	100	65	.73
76964	156 Shurlok	Pull	10	100	69	1.03
Receptacles with Brass Covered Base						
77034	449 Shurlok	Key, D. P.	10	100	45	.81
120933	68136 Shurlok	Key, S. P.	10	100	45	.81
120934	627 Shurlok	Key, 660 watts	10	100	45	.85
77035	465 Shurlok	Keyless	10	100	44	.78
77036	466 Shurlok	Pull	10	100	38	1.18

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE FIELDING RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD



No. 50724
On Paiste Metal Molding
Box for National Molding



No. 50725
on Wooden Molding



No. 50726
on Wooden Molding

FOR TWO-WIRE MOLDING

Standard two-wire Fielding Receptacles may be used on wooden molding, on Paiste Metal Molding Boxes for National Molding or on Paiste Pipe Taplets, and present the same economical wiring features for either class of work.

When wired on molding the receptacles are placed on top of the molding, which can be run continuously and the receptacles set in at the time the wires are run; the capping is merely cut square to fit up to the square end of the receptacle cover.

When used on pipe taplets or metal molding box the receptacle sets on the two ends of the opening and is retained in position by the two brass cover screws.

To connect them requires no cutting of the wires nor any soldering of taps to them, as these main wires are simply looped through the receptacle and skinned $\frac{1}{4}$ inch to slip under the set screws.

The two-wire styles are to be used on two-wire wooden molding or on all styles of $\frac{1}{2}$ and $\frac{3}{4}$ -inch Paiste Pipe Taplets.

STRAIGHT STYLE

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
083863	50724	Plain two-wire.....	250	\$0.25
37301	50725	For standard shade holder	250	.35
083864	50726	For weatherproof shade holder.....	250	.30

Angle Style

37302	50721	Plain two-wire.....	250	.30
37303	50722	For standard shade holder	250	.40

For Cleat Wiring with Concealed Terminals

083866	23210	Plain	250	.25
083867	23209	For weatherproof shade holder.....	250	.30

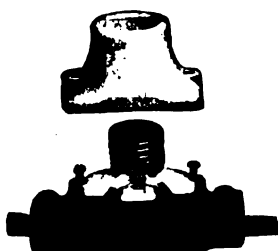
FOR THREE-WIRE MOLDING

083865	36519	Plain.....	250	.35
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RUSSELL TYPE—FOR TWO-WIRE MOLDING

These receptacles are smaller than the standard Fielding Receptacles. The cover piece is fastened to base by means of two holding screws, found inside the screw shell.

083868	47567	Plain	250	.25
083869	47568	For shade holders	250	.30



No. 50724
on Pipe Taplet
Showing Wiring



No. 50721
on Wooden Molding



No. 50722
on Pipe Taplet

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN SOCKETS

NATIONAL ELECTRICAL CODE STANDARD



No. 4200



No. 4207



No. 4366



No. 4379



No. 257



No. 241



No. 4410



No. 342

BENCO SOCKETS—660 WATTS, 600 VOLTS

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
020944	4200	Alum. shell, 1/2-inch.....	50	\$0.60
020945	4201	Alum. shell, 3/8-inch.....	50	.60
020946	4202	Brass shell, 1/2-inch.....	50	.60
020947	4203	Brass shell, 3/8-inch.....	50	.60
27496	4204	Copper shell, 1/2-inch.....	50	.60
27497	4205	Copper shell, 3/8-inch.....	50	.60

BENCO PULL CHAIN SOCKETS—660 WATTS, 250 VOLTS, WITH LAMP GRIP

120405	4225	Alum. shell, 1/2-inch.....	50	1.00
120406	4226	Alum. shell, 3/8-inch.....	50	1.00
120407	4207	Brass shell, 1/2-inch.....	50	1.00
120408	4208	Brass shell, 3/8-inch.....	50	1.00
120409	4236	Copper shell, 1/2-inch.....	50	1.00
120410	4237	Copper shell, 3/8-inch.....	50	1.00

TYPE S MEDIUM SCREW BASE HOLDERS

Frosted Aluminum—Weatherproof				
120411	4215	2 1/4-inch Form O.....	50	.20
120412	4216	2 1/4-inch Form H.....	50	.30
120413	4217	3 1/4-inch.....	50	.35
120414	4365	3-inch screw.....	50	.30
120415	4366	4-inch screw.....	50	.40
120416	4367	4 1/4-inch screw.....	50	.50
Natural Copper—Weatherproof				
120417	4370	2 1/4-inch Form O.....	50	.20
120418	4371	2 1/4-inch Form H.....	50	.40
120419	*4372	3 1/4-inch.....	50	.60
120420	*4373	4-inch.....	50	.70
120421	*4374	5-inch.....	50	1.00
120422	*4375	6-inch.....	50	1.20
Brush Brass				
120423	*4377	2 1/4-inch Form O.....	50	.15
120424	*4378	2 1/4-inch Form H.....	50	.30
120425	*4379	3 1/4-inch.....	50	.35
120426	*4380	4-inch.....	50	.70
120427	*4381	5-inch.....	50	1.00
120428	*4382	6-inch.....	50	1.20

PORCELAIN SOCKETS WITH INTERCHANGEABLE CAPS AND BASES

PENDENT CAP				
Keyless—660 Watts, 600 Volts				
120429	256	Less lamp grip.....	250	.25
120430	257	With lamp grip.....	100	.30
Lever Key—250 Watts, 250 Volts				
120431	241	Less lamp grip.....	250	.30
120432	249	With lamp grip.....	100	.35
COPPER CAP				
Keyless—660 Watts, 600 Volts				
27504	4408	1/8-inch, less lamp grip....	100	.35
27505	4409	1/4-inch, less lamp grip....	100	.40
105233	4410	3/8-inch, less lamp grip....	100	.40
105234	4411	1/2-inch, less lamp grip....	100	.45
Lever Key—250 Watts, 250 Volts				
120433	4425	1/8-inch, less lamp grip....	100	.40
120434	4426	1/4-inch, less lamp grip....	100	.45
120435	4427	3/8-inch, less lamp grip....	100	.45
120436	4428	1/2-inch, less lamp grip....	100	.50

Standard finish, natural copper. For lamp grip add 5 cents list.

WALL BASE				
Keyless—660 Watts, 600 Volts				
120437	341	Less lamp grip.....	100	.29
120438	342	With lamp grip.....	100	.34
120439	358	With lamp grip, less bead.	100	.34
Lever Key—250 Watts, 250 Volts				
120440	343	Less lamp grip.....	100	.34
120441	344	With lamp grip.....	100	.39

Standard finishes are brush brass, frosted aluminum and natural copper. *Ventilated.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN SOCKETS

NATIONAL ELECTRICAL CODE STANDARD

CURRENT TAP SOCKETS

Furnished with lever switch which controls the lamp. The plugs have reliable cord grips and are identical with those used on the No. 96 current tap. In the pendent forms ample room is provided for knotting the cord.

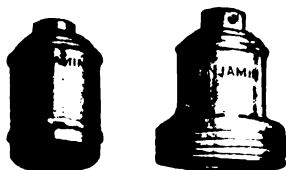


No. 496

No. 97

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
106265	*496	Multiple, $\frac{1}{8}$ -inch.....	50	\$0.90
106266	*496 $\frac{1}{2}$	Series, $\frac{1}{8}$ -inch.....	50	.90
106267	*497	Multiple, $\frac{1}{4}$ -inch.....	50	.90
106268	*497 $\frac{1}{2}$	Series, $\frac{1}{4}$ -inch.....	50	.90
106269	*498	Multiple, $\frac{3}{8}$ -inch.....	50	.95
106270	*498 $\frac{1}{2}$	Series, $\frac{3}{8}$ -inch.....	50	.95
106271	*499	Multiple, insulated bushing, $\frac{1}{4}$ -inch opening.....	50	.90
106272	*499 $\frac{1}{2}$	Series, insulated bushing, $\frac{1}{4}$ -inch opening.....	50	.90

UNIT-SHELL SOCKETS



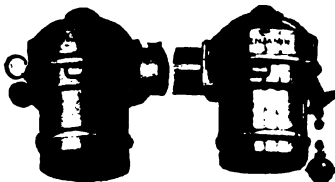
No. 4320

No. 4328

Beaded Type				
27475	*4320	Tapped, $\frac{1}{8}$ -inch.....	100	.28
27476	*4322	Tapped, $\frac{1}{4}$ -inch.....	100	.32
27477	*4324	Tapped, $\frac{3}{8}$ -inch.....	100	.34
27478	*4326	With insulated bushing, $\frac{1}{4}$ -inch opening.....	100	.28
Threaded Type				
106261	**4328	Tapped, $\frac{1}{8}$ -inch.....	100	.30
106262	**4330	Tapped, $\frac{1}{4}$ -inch.....	100	.34
106263	**4332	Tapped, $\frac{3}{8}$ -inch.....	100	.36
106264	**4334	With insulated bushing, $\frac{1}{4}$ -inch opening.....	100	.30

Threaded type used with threaded holder reflectors.

ANGLE SOCKETS



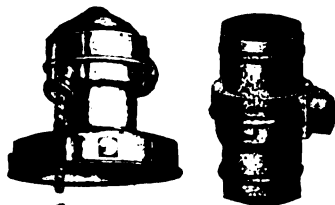
No. 411

No. 435

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
020919	**411	$\frac{1}{8}$ -inch, keyless.....	50	.35
020920	**451	$\frac{1}{4}$ -inch, keyless.....	50	.40
020921	**431	$\frac{3}{8}$ -inch, keyless.....	50	.40
27479	*413	$\frac{1}{8}$ -inch, key.....	50	.38
27480	*453	$\frac{1}{4}$ -inch, key.....	50	.43
27481	*433	$\frac{3}{8}$ -inch, key.....	50	.43
106273	**435	$\frac{1}{8}$ -inch, pull.....	50	.65
106274	**436	$\frac{1}{4}$ -inch, pull.....	50	.71
106275	**437	$\frac{3}{8}$ -inch, pull.....	50	.71

Shade Holders Attached

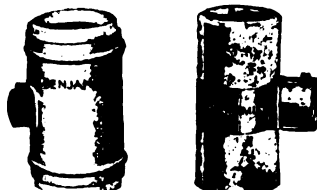
Angle sockets above are furnished with shade holders attached as below. Holders for pull sockets have opening sufficiently large to pass chain ornament.

Angle Socket
with Shade Holder

No. 412

Size of Holder, In.	Form of Holder	Std. Pkg.	Price Additional
$2\frac{1}{4}$	O	50	\$0.10
$2\frac{1}{4}$	H	50	.20

TWIN SOCKETS



No. 455

No. 424

Fiber-lined				
Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
020922	**412	Multiple, $\frac{1}{8}$ -inch.....	50	\$0.65
020923	**452	Multiple, $\frac{1}{4}$ -inch.....	50	.70
020924	**432	Multiple, $\frac{3}{8}$ -inch.....	50	.70
Porcelain-lined				
27485	**455	Multiple, $\frac{1}{8}$ -inch.....	50	.70
27486	**456	Multiple, $\frac{1}{4}$ -inch.....	50	.75
27487	**457	Multiple, $\frac{3}{8}$ -inch.....	50	.75
Porcelain				
106278	†424	2-wire Multiple, $\frac{1}{2}$ -inch....	50	.90
106279	†425	2-wire Multiple, $\frac{3}{8}$ -inch....	50	.90
106280	†424 $\frac{1}{2}$	2-wire Series, $\frac{1}{2}$ -inch.....	50	.90
106281	†425 $\frac{1}{2}$	2-wire Series, $\frac{3}{8}$ -inch.....	50	.90
120580	†426	3-wire Multiple, $\frac{1}{2}$ -inch....	50	.90
120581	†427	3-wire Multiple, $\frac{3}{8}$ -inch....	50	.90

*250 watts, 250 volts.

**660 watts, 250 volts.

†660 watts, 600 volts.

Standard metal finish is brush brass.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD



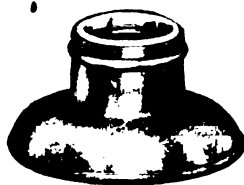
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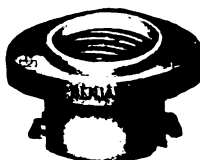
No. 2377



No. 61

No. 61 Receptacle
with Cover

No. 6C Receptacle with Cover



No. 6



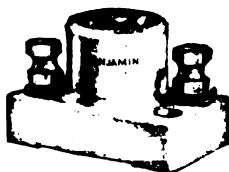
No. 6T



No. 88



No. 9401



No. 2073

CAR SOCKETS—660 WATTS, 250 VOLTS

Adapted for street railway lighting circuits, or for any service where high insulation is desirable. Can be attached to ceiling block, flange or outlet box cover.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
120592	81	1-light	50	\$0.45
120593	81F	1-light with $\frac{3}{8}$ -in. flange	50	.50

CAR FIXTURES—660 WATTS, 600 VOLTS

Intended for car lighting with glassware having $2\frac{1}{4}$ -inch fitter. Special safety holder. Receptacle has lamp grip.

27640	2377	Form O	10	2.00
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CAR RECEPTACLES—660 WATTS, 600 VOLTS

No. 61

No. 61 is a two-piece wall receptacle with concealed binding terminals and lamp grip. Measures $2\frac{3}{8}$ inches at the base.

27491	61	With lamp grip	100	.35
27492	650	With $2\frac{5}{8}$ -in. brass cover	100	.50
27493	652	With $3\frac{1}{4}$ -in. brass cover	100	.60

Screw holes spaced $1\frac{3}{4}$ inches on centers.

No. 6C

No. 6C with cover consists of a steel plate to which a lamp grip receptacle is attached, and brass plate. Designed for use where receptacle is desired practically flush with the surface.

27488	6C	Receptacle, with bolts	100	.22
27494	36256	Cover for 3-inch box	100	.25
27495	36258	Cover for 4-inch box	100	.30

SIGN RECEPTACLES—660 WATTS, 250 VOLTS

Nos. 6 and 6T have exposed binding terminals in rear. No. 6T has the terminals in cavities for soldering and cementing.

020937	6	Receptacle, with bolts	100	.17
27490	6T	Receptacle, with bolts	100	.14

Screw holes spaced $1\frac{3}{4}$ in. on centers.

REFLECTOR SOCKET RECEPTACLES—600 WATTS, 600 VOLTS

Two-piece porcelain receptacles are designed for medium base reflector sockets and hood type fixtures. Nos. 87 and 88 have flat base, and have screws spaced $1\frac{3}{4}$ inches on centers. Nos. 89 and 109 have rounded base, and screws are spaced $1\frac{3}{8}$ inches.

120594	87	Less lamp grip	100	.40
120595	88	With lamp grip	100	.45
120596	89	Less lamp grip	100	.40
120597	109	With lamp grip	100	.45

CLEAT RECEPTACLES—660 WATTS, 250 VOLTS

Cleat type with Benjamin Lamp Grip, adapted for open work. Screw holes are slotted, and spaced $2\frac{5}{8}$ to $2\frac{7}{8}$ inches on centers.

120598	9401	With lamp grip	100	.25
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SIGNAL SOCKETS—660 WATTS, 600 VOLTS

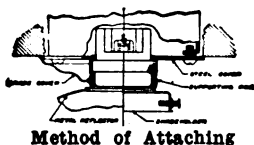
These sockets are in keeping with the requirements of railway electric signal service. Furnished with Benjamin Lamp Grip. Have binding posts, as shown, adopted as standard by the Railway Signal Association. Type C has round head brass machine screw type of binding terminal. Base is $2\frac{1}{8} \times 1\frac{3}{4}$ in.; height, $1\frac{3}{4}$ in.; screw holes spaced $2\frac{3}{8}$ in. on centers.

120599	2073	R. S. A. terminals	50	.90
120600	2074	Type C terminals	50	.80

Standard metal finish is brush brass. For bronze finish, add 10 per cent.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN OUTLET BOX DEVICES



No. 1402



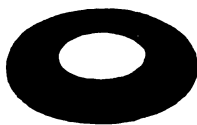
No. 1410



No. 1412



No. 1413



No. 3623



No. 3624B



No. 6B



No. 6D

OUTLET BOX FITTINGS

660 Watts, 250 Volts

These fittings are wiring devices with provision for attaching to and covering the outlet box. They provide a permanent seal for the outlet, and render unnecessary any further disturbance of the wiring. A threaded supporting means affords a method of attaching any member of an extensive line of Benco holders, also Type S screw threaded shade holder type reflectors, and fixtures with connector No. 1412.

Receptacle with Benjamin Lamp Grip furnished at an additional price of 5 cents list. *

Standard finish is brush brass.

Deep Box Type

Trade No.	Mfrs. No.	Size of Box Inches	Description	Std. Pkg.	Price Each
120353	*1402	3	Complete	50	\$0.60
120354	*1403	3	Less brass cover	50	.40
120355	*1404	3	Brass cover only	100	.20
120356	*1405	4	Complete	50	.65
120357	*1406	4	Less brass cover	50	.45
120358	*1407	4	Brass cover only	50	.20

Shallow Box Type

Trade No.	Mfrs. No.	Size of Box Inches	Description	Std. Pkg.	Price Each
120359	*1410	4	Complete	50	.90
120360	*1411	4	Less strap	50	.85

FIXTURE CONNECTORS

660 Watts, 250 Volts

Fixture connectors are flexi-swivel, mechanical and electrical couplings. With them the fixture becomes a completely wired unit ready for attachment to any of the above outlet box fittings. Standard finish is brush brass.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
120361	*1412	For 3/8-inch stem	50	\$0.60
120362	*1416	For chain fixture	50	.80

CHAIN SUPPORTING RINGS

These rings offer a simple method of attaching chain fixtures to the screw threaded portion of Benco sockets and ceiling units, or to outlet box fittings listed above. Standard finish, brush brass.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
120363	*1413	Supporting ring	100	.30

OUTLET BOX COVERS

These covers may be used with any of the receptacles below. Nos. 3623 and 3624 are galvanized steel plates only; Nos. 3623B and 3624B are plates with brush brass covers.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
120364	3623	Gal. steel plate only, 3-inch	100	.10
120365	3624	Galv. steel plate only, 4-inch	100	.12
120366	3623B	Plate with brush brass cover, 3-in.	100	.20
120367	3624B	Plate with brush brass cover, 4-in.	100	.25

OUTLET BOX RECEPTACLES—660 Watts, 600 Volts

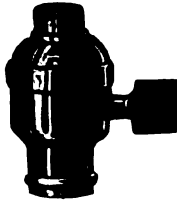
Nos. 6B and 6C have binding terminals which do not project beyond the porcelain walls, and therefore cannot ground on the box or conduit. Nos. 6C and 6D have Benjamin Lamp Grip and spring center contact. No. 6D has clip terminals in the cavities of the base, adapting it for soldering and cementing on the job. For No. 6D without lamp grip, deduct 5 cents from list. Supporting screw holes are spaced 1 3/4 inches on centers.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
020938	*6B	Receptacle, with bolts	100	.17
27488	*6C	With bolts and lamp grip	100	.22
27489	*6D	With bolts and lamp grip	100	.20

*National Electrical Code Standard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT SOCKETS AND RECEPTACLES NATIONAL ELECTRICAL CODE STANDARD—SCHEDULE H CANDELABRA AND MINIATURE



No. 434



No. 321



No. 386



No. 474



No. 328



No. 347



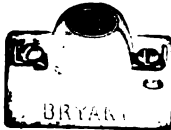
No. 323



No. 367



No. 9445



No. 325



No. 388



No. 390



No. 25705

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

		Key Sockets		Carton	Std. Pkg.	Wt., Lbs.	Price Each
Trade No.	Mfrs. No.	Style					
17766	433	Miniature, 1/8-inch cap.....		25	100	20	\$0.33
17767	434	Candelabra, 1/8-inch cap....		25	100	23	.33

		Keyless Sockets		Carton	Std. Pkg.	Wt., Lbs.	Price Each
Trade No.	Mfrs. No.	Style					
065472	320	Miniature, 1/8-in. screw cap..		50	200	17	.23 1/4
065473	321	Candelabra, 1/8-in. screw cap.		50	200	19	.23 1/2
92481	470	Miniature, 1/8-in. 2-point cap..		50	200	17	.23 1/4
92482	471	Candelabra, 1/8-in. 2-point cap		50	200	19	.23 1/2

		Pull Sockets		Carton	Std. Pkg.	Wt., Lbs.	Price Each
Trade No.	Mfrs. No.	Style					
065474	385	Miniature, 1/8-inch cap.....		10	50	10	.60
065475	386	Candelabra, 1/8-inch cap....		10	50	12	.60

		Turn Sockets		Carton	Std. Pkg.	Wt., Lbs.	Price Each
Trade No.	Mfrs. No.	Style					
92483	473	Miniature, 1/8-inch cap.....		10	50	7	.60
92484	474	Candelabra, 1/8-inch cap.....		10	50	8	.60

		Sockets for Candle Fixtures		Carton	Std. Pkg.	Wt., Lbs.	Price Each
Trade No.	Mfrs. No.	Style					
065476	327	Miniature, male thread.....		50	200	9	.12
065477	328	Candelabra, male thread....		50	200	10	.12

The supporting stud of above sockets is threaded .312 inch, 27 threads per inch. Outside diameter of porcelain shell is 3/4 inch.

		Sockets for Candle Fixtures		Carton	Std. Pkg.	Wt., Lbs.	Price Each
Trade No.	Mfrs. No.	Style					
065478	346	Miniature, female thread....		50	200	10	.12
065479	347	Candelabra, female thread..		50	200	11	.12

The nipple of above sockets is 1/8 inch for pipe, .405-inch outside diam., 27 threads per inch. Outside diameter of porcelain shell is 3/4 inch.

		Weatherproof Pendent Sockets		Carton	Std. Pkg.	Wt., Lbs.	Price Each
Trade No.	Mfrs. No.	Style					
065480	322	Miniature.....		25	200	9	.12
065481	323	Candelabra.....		25	200	10	.13 1/2

Made in green-glazed porcelain. Each socket fitted with 6 inches of No. 18 B. & S. stranded rubber covered wire. Sockets with longer wires furnished on special order. Extra charge, \$0.09 list, per foot (4 1/2 cents each conductor).

		Cleat Receptacles		Carton	Std. Pkg.	Wt., Lbs.	Price Each
Trade No.	Mfrs. No.	Style	Sup. Screws Centered, In. Dimens. Inches				
065484	366	Miniature.....	1 1/8 1 7/8*	25	200	30	\$0.07 1/2
065485	367	Candelabra.....	1 1/8 1 7/8*	25	200	30	.09
065486	9445	Miniature.....	1 5/8 1 3/8*	25	500	30	.06 1/2
065487	9446	Candelabra.....	1 1/8 1 5/8*	25	500	30	.07 1/4
065488	324	Miniature, oblong base	1 3/4	25	200	24	.10
065489	325	Candelabra, " base	1 3/4	25	200	26	.10
065490	326	Candelabra, with spring screw-shell, oblong base..	1 3/8	25	200	28	.15

		Receptacles for Metal Signs		Carton	Std. Pkg.	Wt., Lbs.	Price Each
Trade No.	Mfrs. No.	Style	Sup. Screws Centered, In. Dimens. Inches				
065491	387	Miniature.....	1 1/8 3 1/4†	10	250	30	.12
065492	388	Candelabra.....	1 3/8 3 1/4†	10	250	32	.16

		Receptacles for Metal Signs, with Removable Ring		Carton	Std. Pkg.	Wt., Lbs.	Price Each
Trade No.	Mfrs. No.	Style	Sup. Screws Centered, In. Dimens. Inches				
065493	389	Miniature.....	3/4†	25	250	30	.17
065494	390	Candelabra.....	3/4†	25	250	32	.17

		Receptacles for Wooden Signs		Carton	Std. Pkg.	Wt., Lbs.	Price Each
Trade No.	Mfrs. No.	Style	Sup. Screws Centered, In. Dimens. Inches				
065495	279	Miniature.....	1 3/4 5/8†	10	100	12	.24
065496	25705	Candelabra.....	1 3/4 5/8†	10	100	12	.24

*Outside diameter of base. †Hole required for receptacle.

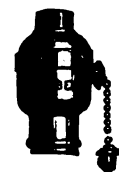
HUBBELL CANDELABRA SOCKETS AND RECEPTACLES

SCHEDULE M

CANDELABRA MINIATURE AND PULL SOCKETS

75 Watts, 125 Volts

Lock Shell Fastening



No. 5455



No. 5792

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
084309	5455	Candelabra base	50	10	\$0.60
084310	5593	French base	50	10	.60
084311	5792	Ediswan base	50	10	.70
13984	5836	Miniature base	50	10	.60

Quick Catch Fastening

084312	5742	Candelabra base	50	10	.60
084313	5794	French base	50	10	.60
13985	5837	Miniature base	50	10	.60

Furnished with 3-inch chain; if longer chain is desired, add to list, per foot, 10 cents.



No. 5742



No. 5793

CANDELABRA AND MINIATURE BASE KEYLESS SOCKETS

75 Watts, 125 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
084314	5753	Candelabra base	200	20	\$0.23 1/2
084315	5793	Ediswan base	50	10	.30
13986	5838	Miniature base	200	20	.23 1/2

CANDELABRA RECEPTACLES FOR CANDLE FIXTURES



No. 5753



No. 5686

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
084316	5686	5/8-inch male thread bushing	200	12	\$0.12
13988	5812	5/8-inch male thread bushing with extra long porcelain skirt	200	12	.12
084317	5808	5/8-inch female thread bushing	200	12	.12
13987	5819	1/2-in. pipe tap female thread bushing	200	12	.12

CANDLE EXTENSIONS

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
084318	5481	Candelabra	50	1	\$0.35
13989	5879	Miniature	50	1	.35
084319	5482	Collars	50	1	.05
084320	5483	Candles	50	2	.15

Nos. 5481 and 5879 extensions measure 4 3/8 inches over all. The additional length has been made necessary by the new type of shell now used on candelabra and miniature sockets, with bead on bottom. They will take a regular 4-inch candle.

For extensions over 4 3/8 inches in length, add to list, 10 cents per inch or fraction thereof.

Prices on candles longer than 4 inches quoted on application.

These attachments can be used only with Nos. 5455 and 5742 sockets.

The extensions are designed to take a 4-inch candle, and are sold complete with socket or separately, as listed.



No. 5481



No. 5482

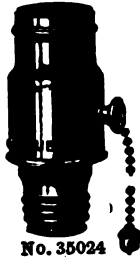


No. 5483

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PULL SOCKETS AND CONNECTORS

HUBBELL PULL SOCKETS WITH LAMP BASE ATTACHMENT



No. 35024

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
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52022 35024 10 50 17 \$0.70

Pull sockets with lamp attachments can be attached to any ordinary key socket or receptacle. Furnished with eight-inch chain.

HUBBELL INCANDESCENT ATTACHMENTS FOR OIL LAMPS

250 Watts, 250 Volts



No. 5403

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
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055093 5403 With plug and 7-feet silk cord 1 20 15 \$2.00

055094 5529 Without cord or plug 1 20 10 1.50

Standard finishes on all above sockets are brush brass, old brass and polished brass. Brush brass furnished unless otherwise ordered.

Sockets furnished with chains over 8 inches in length, add to list 10 cents per foot.

NOSPlice CONNECTORS

Nosplice does away with the soldering and taping of joints. The Nosplice will hold three No. 12 B. & S. gauge, four No. 14 B. & S. gauge, or smaller wires on each end. Approved for connecting fixtures to outlets, also for connecting motors to circuit wiring.

Nosplices can be connected to the end of the fixture wires in the factory and when the fixtures are delivered to the job, the electrician in connecting them would only have to scrape the outlet wires and insert them into the other end of the Nosplice.

When fixtures are connected with Nosplices they can be removed at any time by loosening the screws and without having to cut and thus shorten the outlet wires.



Nosplice

Trade No.	Size In.	Std. Pkg.	Price Each
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135516 $1\frac{3}{4} \times \frac{1}{8}$ 1000 \$0.10

NOTORCH CONNECTORS

Does away with the soldering of joints, but has to be taped. Will hold the same amount of wires as the Nosplice. The Notorch connector can be used in any kind of an installation, in junction boxes, conduit fittings, cleat wiring, in the bodies of fixtures and behind shallow plates on ornamental wall brackets.



Notorch

Trade No.	Size In.	Std. Pkg.	Price Each
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135517 $1 \times \frac{1}{4} \times \frac{3}{8}$ 1000 \$0.05

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT AND PERKINS FIXTURE SPECIALTIES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

CANDLE PULL SOCKETS

 $\frac{1}{2}$ Ampere, 125 Volts

Designed to be mounted with the chain passing between the supporting stem and the candle tube and through the ornamental cup, which forms the base of the candle. It requires a candle tube having a minimum inside diameter of $\frac{3}{4}$ inch.

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Each
19850	540	Candelabra base.....	25	50	..	\$0.75

The standard length of chain is 4 inches.



No. 540

CANDELABRA CANDLE SWITCHES

 $\frac{1}{2}$ Ampere, 125 Volts

19845	493	Key candle switch.....	25	50	7	.33
19836	420	Pull candle switch.....	10	50	7	.60
19839	455	Turn candle switch.....	10	50	7	.75



No. 493

CANOPY SWITCHES

3 Amperes, 125 Volts—1 Ampere, 250 Volts

19842	451	Switch for spun canopy.....	10	100*	7	.75
19843	452	Switch for cast canopy.....	10	100*	8	.80
19846	491	Switch with leads for spun canopy....	10	100*	12	.75
19847	492	Switch with leads for cast canopy...	10	100*	11	.80

 $\frac{1}{2}$ Ampere, 125 Volts

19848	541	Junior switch with leads for spun canopy.....	10	100*	14	.75
19849	542	Junior switch with leads for cast canopy.....	10	100*	15	.80

Nos. 491, 492, 541 and 542 are fitted with 6 inches of No. 18 B. & S. stranded rubber covered wires. Switches with longer wires furnished on special order. Extra charge, 9 cents list per foot ($4\frac{1}{2}$ cents each conductor).

The stem on Nos. 451, 491 and 541 is long enough for a canopy not more than $\frac{1}{8}$ inch thick. Nos. 452, 492 and 542 may be used on canopies up to $\frac{1}{4}$ inch. The key stems are threaded $\frac{3}{4}$ inch, 26 threads per inch.



No. 451



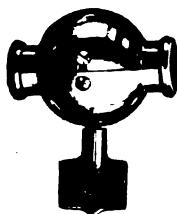
No. 541

KEY ARM SWITCHES

 $\frac{1}{2}$ Ampere, 125 Volts

19844	2424	Key arm switch.....	10	100	20	1.00
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The casing of this switch is threaded to receive standard $\frac{1}{8}$ -inch pipe at each end. Keys are not supplied with switches, as these are usually furnished by the fixture manufacturer in a design to harmonize with the fixture. The stem is threaded $\frac{5}{8}$ inch long with $\frac{9}{32}$ thread.



No. 2424

UNO FIXTURE RINGS

The purpose of this ring is to attach ornamental pieces to sockets. It has the same thread as Uno Shade Holders and can therefore be attached to any socket having the Uno bead. The ring measures 2 inches in diameter and is pierced with two diametrically opposite holes spaced $1\frac{3}{4}$ inches on centers.

19851	549	Uno Fixture Ring.....	50	200	..	.06 $\frac{1}{4}$
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*Mfrs. Nos. 451, 452, 491, 492, 541 and 542 may be assorted to make up standard package quantity of 100.

Illustrations are one half actual size.



No. 549

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SOCKET FITTINGS

SOCKET HANDLES



No. 1240

Trade No.	Mfrs. No.	Size of Hole Inches	Size of Nipple Inches	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Each
094390	1240	$\frac{9}{32}$	$\frac{1}{8}$	For No. 16 approved lamp cord.....	25	100	15	\$0.12
094391	1388	$\frac{11}{32}$	$\frac{3}{8}$	For No. 16 approved portable cord.....	25	100	12	.14
094392	2751	$\frac{11}{32}$	$\frac{3}{8}$	For No. 16 approved lamp cord.....	..	..	..	.12

A strong socket handle, heavy threaded brass nipple for socket securely imbedded in end.

Designed to meet the demand for a rigid socket handle.



No. 2751

SOCKET REDUCERS

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Each
075695	421	Mogul to medium.....	10	100	22	\$0.25
065483	392	Medium to candelabra..	25	100	6	.10
065482	391	Candelabra to miniature	100	100	1	.06



No. 392



No. 9357

SOCKET ADAPTERS

094401	9357	Socket adapter.....	100	500	20	.04
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Inserting this device in a Thompson-Houston socket adapts it for use with Edison base lamp.



No. 1274



No. 1273

SOCKET RINGS

094393	1274	Composition, double flange	100	100	2	.04
094394	1273	Composition, single flange.	100	100	2	.04
094395	1435	Porcelain, single flange....	100	100	4	.05



No. 1435



No. 9399

SOFT RUBBER RINGS

094396	9399	For use with weather-proof sockets.....	..	100	..	.03½
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BUSHINGS



No. 50787



No. 9165

Trade No.	Mfrs. No.	Description	Size of Hole Inches	Size of Cap Inches	Std. Pkg.	Price per 1000
094397	50787	Composition	$\frac{11}{32}$	$\frac{3}{8}$	500	\$10.00
094398	9165	Composition	$\frac{1}{32}$	$\frac{1}{8}$	1000	7.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS SHADE HOLDERS

NATIONAL ELECTRICAL CODE STANDARD

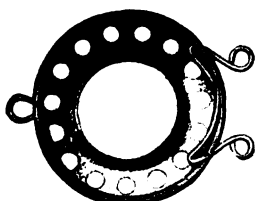
SCHEDULE D

UNO SHADE HOLDERS

Uno Shade Holders attach directly to the threaded bead, which is a standard feature of all Bryant-Perkins Brass Shell Medium Base Sockets and Receptacles. Being made in one piece, Uno Shade Holders are cheapest in first cost, as well as in cost of attaching to socket. Because of the wedge thread in the holder, the fit between socket shell and holder is more rigid than any other holder on the market.



Uno Screw Holder being Attached to Socket



Uno Spring Holder
No. 502



No. 440 Shade Holder
being Attached to Socket



Emergency Holder
No. 443



Receptacle Holder
No. 522

Trade No.	Mfrs. No.	Size Inches	Description	Carton Pkg.	Std. Wt., Lbs.	Price, per 100
121376	501	2 1/4	Ventilated..	50	500 35	\$6.25 \$5.20
121377	532	2 1/4	Solid.....	50	500 35	6.60 5.55
121378	502	2 1/4	Ventilated..	50	250 20	8.70 7.65
121379	533	2 1/4	Solid.....	50	250 20	9.05 8.00
121380	503	H	Ventilated..	25	250 30	9.40 8.85
121381	504	H	Ventilated..	25	100 15	11.85 11.30
121382	505	3 1/4	Ventilated..	25	250 37	12.60 11.10
121383	534	3 1/4	Solid.....	25	250 37	12.85 11.45
121384	506	3 1/4	Ventilated..	25	100 18	19.00 17.50
121385	535	3 1/4	Solid.....	25	100 18	19.35 17.85
121386	511	4	Ventilated..	10	100 20	16.65 15.25
121387	536	4	Solid.....	10	100 20	17.00 15.60

Nos. 501, 532, 503, 505, 534, 511 and 536 hold shade by means of three screws; Nos. 502, 533, 504, 506 and 535 hold shade by means of spring grip.

NEW WRINKLE SHADE HOLDERS

Designed to be used for attaching to sockets that have not the threaded bead. The method of attaching to the socket is simple yet extremely secure. All New Wrinkle Holders have the spring grip method of holding the shade.

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Wt., Lbs.	Price per 100
121388	440	2 1/4-inch, ventilated.....	50	200 20	\$18.00
121389	441	Form H, ventilated.....	25	100 15	24.00
121390	442	3 1/4-inch, ventilated.....	25	100 15	30.00

NEW WRINKLE EMERGENCY SHADE HOLDERS

Designed especially for use in connection with porcelain sockets and receptacles. The method of attachment is by means of a screw shell, thoroughly insulated from the holder itself, which threads onto the outside of the screw shell of the lamp socket.

121391	443	2 1/4-inch, solid.....	25	100 8	20.00
121392	444	Form H, ventilated.....	10	50 9	25.00
121393	445	3 1/4-inch, ventilated.....	10	50 8	30.00

NEW WRINKLE RECEPTACLE SHADE HOLDERS

For use with removable ring porcelain receptacles.

121394	521	2 1/4-inch, ventilated.....	25	100 8	15.00
121395	522	3 1/4-inch, ventilated.....	25	50 6	20.00

The standard finish on shade holders is brush or old brass, which will be shipped when no finish is specified. Polished brass and rich gilt, when specified, will be shipped without extra charge. For all other finishes except gold, silver and sand-blast, add to list price per 100, \$1.75 for 2 1/4-inch, Form H and 3 1/4-inch, and \$3.50 for 4-inch. Prices for gold, silver and sand-blast finishes quoted upon application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL SHADE HOLDERS AND ATTACHMENTS

SHADE HOLDERS
Schedule D

Mfrs. No.	Size of Holder Inches	Carton	Std. Pkg.	Wt., Lbs.	Trade No.	Brush Brass	Unfinished
						Price per 100	Trade No. Price per 100
5339	2 1/4	50	500	65	040654	\$ 6.25	87333 \$ 5.20
5340	3 1/4	25	250	27	040655	12.50	87334 11.10
5595	4	25	100	20	040656	16.65	87335 15.25
5594	2 1/4	50	500	70	040657	7.65	87336 6.50
5596	3 1/4	25	250	30	040658	12.85	87337 11.45
5597	4	25	100	20	040659	18.75	87338 17.00
5528	2 1/4	50	250	17	040660	8.70	87339 7.65
5835	2 1/4	50	250	17	040672	11.50	87341 10.50
6244	2 1/4	50	500	70	040674	7.50	87343 6.75
6170	2 1/4	50	250	20	87345	9.25	87346 8.20

Above prices apply also for polished brass, old brass or rich gilt. All other finishes, excepting gold, silver and sand-blast, \$1.75 per hundred in addition to above prices, except on 4-inch holders, which are \$3.50 per hundred extra.

Shade Holders for Mogul Base Sockets

6276	4	25	100	25	040675	25.00	87344 23.60
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Direct Threading Shade Holders

6269	2 1/4	50	500	..	87347	6.25	87349 5.20
6275	2 1/4	50	250	..	87348	8.70	87350 7.65

No. 6275 has locking spring similar to No. 6170.

ATTACHMENTS FOR PULL SOCKETS
Schedule F

Attaches direct to any pull socket, not to the shade holder. The spring band at the end of the horizontal arm snaps around the socket. A slot hooks over a screw by which the band is secured. When the chain is cut to the proper length to allow free operation of the socket, the end bead is inserted in a slot at the end of the lever. Each attachment is equipped with 6 feet of black cord and No. 5919 adjustable acorn.

For Brass Shell Sockets

Trade No.	Mfrs. No.	Description	Carton	Std.	Wt., Lbs.	Price Std. Pkg. Each
040664	5828	For 8, 10 and 12-inch reflectors.	25	250	21	\$0.25
040666	5829	For 14-inch reflector...	25	250	22	.25
040668	5953	For 16-inch reflector...	25	100	10	.30
040669	5954	For 18 and 20-inch reflectors...	25	100	10	.30
076724	6317	For 22-inch reflectors...	25	100	11	.40

For Porcelain Sockets

076727	5957	For 8, 10 and 12-inch reflectors...	25	250	21	.25
076728	5958	For 14-inch reflector...	25	250	22	.25
076729	5959	For 16-inch reflector...	25	100	10	.30
124911	5960	For 18 and 20-inch reflectors...	25	100	10	.30
124912	5961	For 22-inch reflector...	25	100	11	.40

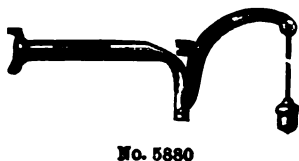
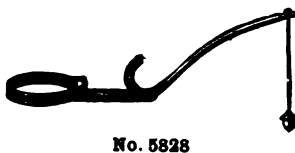
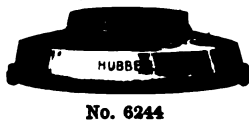
ECONOMY EXTENDERS
Schedule F

These attachments take the place of regular chain guide and are attached direct to socket interior. Adapted for use with Hubbell Sockets only.

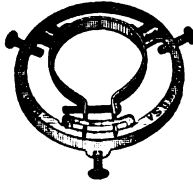
040667	5880	For reflectors up to 10 inches in diameter...	25	250	18	.30
076725	6306	For electrolier sockets...	25	250	18	.30
076726	6137	Two-piece, for husk work	25	250	18	.35

Above prices cover Attachments and Extenders in polished brass, old brass and brush brass finishes. For special finishes add 5 cents to list price.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



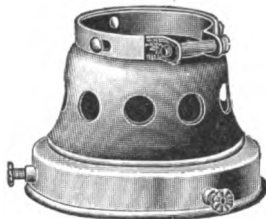
SHADE HOLDERS



Eaco



Regular



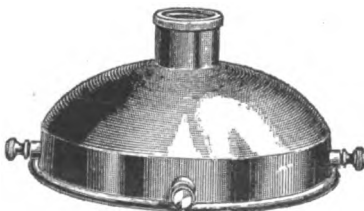
Eaco High Efficiency



Benjamin, 2¼ and 3¼-inch



Benjamin, 4-inch



Weatherproof

EACO

The Eaco Shade Holder is an improvement over the regular style listed below, and has been placed on the market to meet the demand for an extra heavy high grade shade holder. When firmly clamped on the socket, it cannot be sprung.

Carried in stock in polished brass, brushed brass and oxidized copper finish. Other finishes to order.

Trade No.	Size, Holder Inches	Finish	Price per Dos.
40896	2¼	Polished brass	\$1.80
40897	3¼	Polished brass	3.00
039674	2¼	Brushed brass	1.80
039675	3¼	Brushed brass	3.00
40898	2¼	Oxidized copper	2.10
40899	3¼	Oxidized copper	3.45

REGULAR

Carried in stock in polished brass, brushed brass and oxidized copper.

40900	2¼	Polished brass	1.50
40901	3¼	Polished brass	2.80
40902	4	Polished brass	3.20
039677	2¼	Brushed brass	1.50
039678	3¼	Brushed brass	2.80
40903	2¼	Oxidized copper	1.75
40904	3¼	Oxidized copper	3.25
40905	4	Oxidized copper	3.70

EACO HIGH EFFICIENCY

40906	2¼	Polished brass	3.40
40907	2¼	Brushed brass	3.40
40908	2¼	Oxidized copper	3.40

BENJAMIN

The holders listed below are designed for supporting shades with 2¼, 3¼ and 4-inch fitter. They are made with both 5⁄8 and ¾-inch slip, except No. 2496, which has 1⁄8-inch slip, and is intended for use with 3⁄8-inch iron pipe. Standard finish on the latter is black; on all others, polished brass.

Trade No.	Mfrs. No.	Size, Holder Inches	Size, Slip Inches	Std. Pkg.	Wt. Lbs.	Price Each
039691	2470	2¼	5⁄8	100	5	\$0.25
039692	2475	2¼	¾	100	5	.25
039693	2490	3¼	5⁄8	100	12	.35
039694	2495	3¼	¾	100	12	.35
27936	2496	4	1⁄8	100	20	.50

WEATHERPROOF

Heavy Sheet Copper, for Outdoor Use

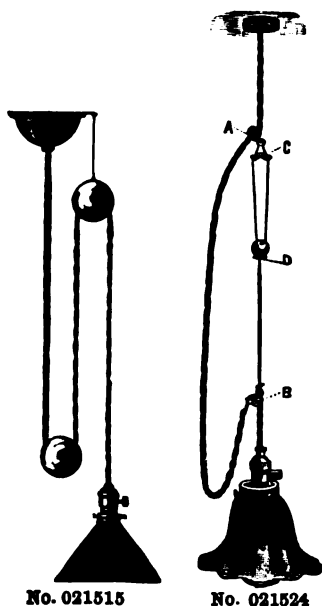
Trade No.	Description	Price per 100
40911	For 1⁄2-inch pipe and 4-inch holder..	\$65.00

WATERPROOF

Trade No.	Description	Price Each
40913	Heavy, for outdoor work; top fits 3⁄8-inch iron pipe and has regular 1⁄8-inch socket nipple inside; bright dip; 4x2½ inches.....	\$1.30

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CORD ADJUSTERS



No. 021515

No. 021524

TWO-BALL CORD ADJUSTERS

These adjusters permit the lengthening of the cord to three times its normal length, thereby giving a very wide range to the lamp. When not in use the lamp is pushed up toward the ceiling where it is out of the way.

Style A adjuster is made especially for factories, shops, garages, stockrooms, etc.

Style B is used in offices, homes, public buildings, etc. It has a polished metal surface and is especially well finished.

Trade No.	Style A Description	Price Each
021515	Black	\$1.40
021516	Gold	1.40
021517	Aluminum	1.40
021518	Special finishes	1.80

Special finishes are white, blue, green, etc., and brush brass.

Trade No.	Style B Description	Price Each
021519	Polished brass	2.20
021521	Oxidized brass	2.20
021523	Brush brass	2.20
021522	Special finishes	2.40

Special finishes are nickel, oxidized copper, etc.

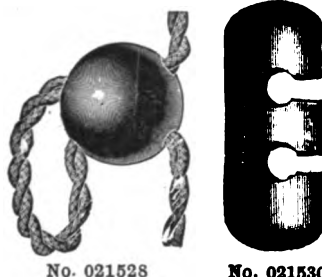
When equipped with extra heavy loaded lower balls for use with heavy glass shades, add 25 cents each to above prices.

INNOVATE CORD ADJUSTERS

021524	For new code or re-enforced cord80
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WOOD ADJUSTING BALLS

Trade No.	Description	Std. Pkg.	Price per 100
021528	For Type C cord	100	\$1.15
021529	For re-enforced portable cord	100	1.15



No. 021528

No. 021530

IMPROVED CORD ADJUSTERS

021530	Ebonized wood	1000	.75
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UNIVERSAL CORD SPOOLS

Made of hard wood enameled black. Standard size is $3\frac{3}{4}$ inches and takes 6 feet of cord. Factory size is $5\frac{1}{4}$ inches and takes 12 feet of cord.

021531	Standard size	100	10.00
021532	Factory size	100	14.00
021525	Re-enforced cord size	100	18.00

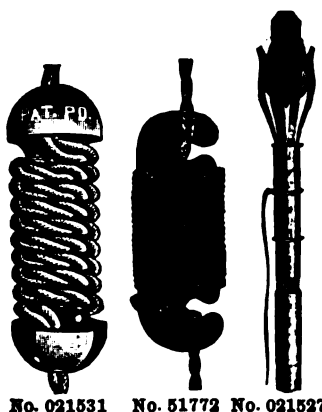
FIBER ADJUSTERS

51772	For twisted cord	2.00
51775	For re-enforced cord	6.00

ADAPTABLE LAMP CHANGERS

This changer is adjustable to any style or size of lamp and adaptable to any angle. It slips on and grips the lamp without any jar; is made of steel throughout; weighs only 8 ounces; nickel-plated; measures 14 inches over all; $1\frac{1}{4}$ inches in diameter; has no wearing parts and will last a lifetime. The device works on any length of pole that a man can handle and the spiral spring acts as a flexible shaft. It is operated by pulling on chain attached above spiral spring.

Trade No.	Description	Price Each
021527	Without pole	\$5.00
41855	Poles in 5-foot lengths, per foot70



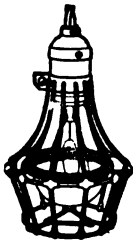
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No. 51772

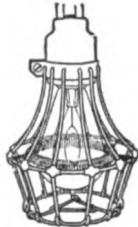
No. 021527

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LAMP GUARDS



For Brass Sockets



For W. P. Sockets



Showing Method of Locking in Lamp



MATTHEWS' HOLDFAST LAMP GUARDS

The rigid construction of the Matthews' Holdfast Lamp Guard, the fact that it is permanently clamped to the socket and the spiral spring cushion in the center, make it a perfect protection against the breakage of incandescent lamps. The trap which is clamped across the bottom opening effectually prevents the unauthorized removal of lamps from the sockets. The guard is locked to the socket by bending the set screw.

The Matthews' Holdfast Lamp Guard will not permit the hot lamp to get closer than 1 inch to any inflammable material, and the guard does not have to be removed from the socket to replace the lamp.

The only guard approved by all insurance companies and the underwriters.

List Quantity Prices and Data for Ordering

For 6, 8, 10 and 16 C. P. Carbon and 15, 25, 40 and 50-watt Mazda Lamps

FOR BRASS SHELL SOCKETS		FOR WEATHERPROOF SOCKETS		Size	PRICE, PER DOZEN			PRICE, PER GROSS	
Trade No.	Mfrs. No.	Trade No.	Mfrs. No.	Wire B. W. G.	Less than 12	1 to 6 Doz.	6 to 12 Doz.	1 to 5 Gross	Over 5 Gross
048390	117B	048395	117WP	17	\$4.20	\$3.60	\$3.30	\$36.00	\$32.40
048391	114B	048396	114WP	14	4.70	4.10	3.80	42.00	38.40
048392	112B	048397	112WP	12	5.70	5.10	4.80	54.00	50.00

For 32 C. P. Carbon and 60-watt Mazda Lamps

048393	317B	048398	317WP	17	4.70	4.10	3.80	42.00	38.40
048394	314B	048399	314WP	14	5.20	4.60	4.30	48.00	44.40

For 50 C. P. Carbon and 75 and 100-watt Type C Pear Shape Lamps

048394A	514B	048399A	514WP	14	5.70	5.10	4.80	54.00	50.40
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For 200-watt Type C Pear Shape Mazda Lamps and 100-watt Old Style Straight Side Mazda Lamps

27110	714B	27111	714WP	14	12.00	10.80	9.90	108.80	97.20
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For 150-watt Old Style Straight Side Mazda Lamps

27112	814B	27113	814WP	14	12.50	11.30	10.50	112.80	103.20
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For 300, 400 and 500-watt Type C Pear Shape Lamps with Brass or Weatherproof Mogul Sockets

100834	914B	100835	914WP	14	14.00	13.40	12.50	135.00	123.00
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For 750 and 1000-watt Type C Pear Shape Mazda Lamps with Brass or Weatherproof Mogul Sockets

....	1014B	1014WP	14	16.00	15.20	14.00	150.00	140.00
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Extra Tray Locks for Renewal Purposes

048400	16	.50	.50	4.40	4.00	3.60
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All guards are furnished with a trap lock to prevent the unauthorized removal of lamps.

Collars of guards for brass shell sockets are $1\frac{1}{4}$ inches for weatherproof sockets $1\frac{1}{2}$ inches

MATTHEWS' EASY LAMP CHANGERS



Trade No.	Mfrs. No.	Description	List Price, Each		
			Less than 6	6 to 11	12 or More
27107	1	For 2 and 4 candle power sign lamps.....	\$5.00	\$4.70	\$4.20
27108	2	For 6, 8, 10 and 16 candle power lamps.....	5.00	4.70	4.20
27109	3	For 32 to 50 candle power carbon lamps and other large and odd shapes up to 5 inches in diameter.....	6.00	5.70	5.20

We do not furnish poles. These can be obtained from any house furnishing store. Ask for curtain pole 1 inch in diameter.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL LAMP GUARDS

Hubbell Lamp Guards are the only electrically welded guards. No solder or tie wires are used.

WITH OPEN BOTTOM

Trade No.	Mfrs. No.	Size Watts	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per Doz.
047851	5485	15-25	144	35	\$3.50
047852	5487	40-60*	144	40	3.75

WITH CLOSED BOTTOM

047853	5573	15-25	144	40	3.50
047854	5578	40-60*	144	48	3.75
076674	5766	15-25	144	58	5.25

No. 5766 has half reflector attached, as illustrated.

TUBULAR

The lamp is inserted into closed bottom and tubular guards by unscrewing the guard from the metal top.

047855	5634	25	60	20	3.50
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All the above guards fasten rigidly to the socket shell by means of the clamping ring and do not require a shade holder.

FOR USE WITH HUBBELL SHADES

The threaded neck of these guards is made sufficiently large to engage the threaded neck of shade.

Open Bottom

047856	5534	15-25	144	35	3.50
047857	5536	40-60*	144	40	3.75

Closed Bottom

047858	5632	15-25	144	35	3.50
047859	5633	40-60*	144	40	3.75

Above prices do not include shades.

LOCKING GUARDS

Locking guards fasten directly to brass shell of socket without shade holder or clamping ring. They grip the socket securely and guard the lamp against breakage and theft.

For Standard Sockets

047860	5685	15-25	144	53	5.25
047861	5635	40-60*	144	75	5.55
076677	5762	60-100-watt long base Mazda 72		51	8.00

For Porcelain Weatherproof Sockets

076675	5730	15-25	144	53	5.25
076676	5731	40-60*	144	75	5.55
029112	5820	60-100-watt long base Mazda 72		51	8.00

For Molded Weatherproof Sockets No. 60666

029113	5810	15-25	144	53	5.25
029114	5818	40-60*	144	75	5.55

LOCKING GUARDS WITH HALF REFLECTORS

For Standard Sockets

076678	5764	15-25	144	63	7.00
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For Weatherproof Sockets

076679	5765	15-25	144	63	7.00
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One key is furnished with each dozen guards. Extra keys, 5 cents each, net.

ALL-WIRE GUARDS

The neck of the all-wire lamp guard consists of two parallel wires which fit the beading on a brass shell socket or the shade holder groove on a weatherproof socket. After the guard is slipped onto a socket it is drawn up tight by means of a screw on the side of the guard. By means of this screw the guard can be drawn up until it is absolutely rigid.

For Brass Shell Sockets

047862	5691	15-25	144	35	2.60
047863	5692	40-60*	144	41	3.15

For Weatherproof Sockets

047864	5693	15-25	144	35	2.60
047865	5694	40-60*	144	41	3.15

*Short base Mazda lamp.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 5485



No. 5573



No. 5766



No. 5534



No. 5685



No. 5691

LAMP GUARDS

LOXON LAMP GUARDS

Loxon is a double duty device that cuts out needless waste by saving incandescent lamps and enabling them to burn their full life. It takes a lock to stop a lamp thief and a guard to prevent lamp breakage. Loxon also reduces fire danger from hot or broken lamps. It locks on with a key which you hold.



Loxon

Loxon
Reflector Guard

To Fit Non-skirted Base Mazda Lamps

Trade No.	Mfrs. No.	To Fit LAMP		Style Socket	Price per Doz.
		Mazda Watts	Volts		
43387	1423	15	....	Brass shell	\$6.00
43388	1424A*	15	....	Weatherproof	6.00
43391	1424B†	15	....	Weatherproof	6.00
43301	1425	25-60	110	Brass shell	6.00
43302	1426	40-60	220	Brass shell	6.30
43303	1427A*	25-60	110	Weatherproof	6.00
43304	1427B†	25-60	110	Weatherproof	6.00
43305	1428A*	40-60	220	Weatherproof	6.30
43306	1428B†	40-60	220	Weatherproof	6.30

To Fit Skirted Base Mazda Lamps

Trade No.	Mfrs. No.	Mazda Watts	Volts	Style Socket	Price per Doz.
43308	2444	100	....	Brass shell	9.60
43314	2446A*	100	....	Weatherproof	9.60
43315	2446B†	100	....	Weatherproof	9.60
43317	2447	200	....	Brass shell	12.00

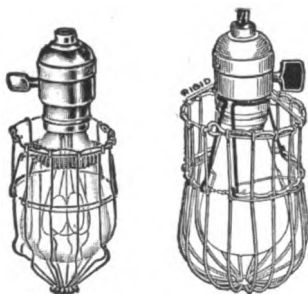
LOXON REFLECTOR LAMP GUARDS

Trade No.	Mfrs. No.	Mazda Watts	Volts	Style Socket	Price per Doz.
43311	1442	15	....	Brass shell	7.20
43312	1443	40	....	Brass shell	7.80
43313	1444	40	....	Weatherproof	7.80

*All numbers followed by A fit the following sockets: Bryant, Nos. 9366, 9448 and 9395 porcelain; No. 43310 mica. Paiste, No. 9366 porcelain. General Electric, No. 9366 porcelain. Freeman, Nos. 132, 155 and 320 porcelain. P & S, Nos. 217 and 116 porcelain.

†All numbers followed by B fit the following sockets: Bryant, No. 60666 rubber. Paiste, No. 60666 rubber. Freeman, No. 160 porcelain. H. W. J. M., No. 60666 rubber, No. 1149 mica or composition.

Loxon guards are made to fit Crouse-Hinds Condulet Receptacles when so specified. One key with every dozen guards. Extra keys, each, 5 cents.



Style A

Style H

STYLE A LAMP GUARDS

Trade No.	Mfrs. No.	To Fit LAMP		Style Socket	Price per Doz.
		Carbon C. P.	Mazda Watts		
071737	1441	16	15	Key	\$2.00

STYLE H LAMP GUARDS

Trade No.	Mfrs. No.	Mazda Watts	Volts	Style Socket	Price per Doz.
021738	1431	16	40	Brass shell	3.00
021739	1433	32	60	Brass shell	3.50
021740	2532	16	40	Weatherproof	3.00
021741	2533	32	60	Weatherproof	3.50

STYLE O LAMP GUARDS

Trade No.	Mfrs. No.	Mazda Watts	Volts	Style Socket	Price per Doz.
021743	1429	16	40	Brass shell	3.00
021744	1430	32	60	Brass shell	3.50
021745	1432	16	40	Weatherproof	3.00
021746	1434	32	60	Weatherproof	3.50

WALL LAMP GUARDS

Trade No.	Mfrs. No.	Mazda Watts	Volts	Style Socket	Price per Doz.
021747	1436	16	40	Style A	10.08
43386	1433	16	40	Style A-1	10.08
021748	1437	16	40	Style B	16.80
43316	1439	16	40	Style C	12.00

Style A fits 3-inch round outlet boxes; Style A-1 fits 4-inch round outlet boxes; Style B has removable base ring.

Style C is fitted with outlet box cover and fits 3 and 4-inch boxes.



Style O

Wall Guard

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LAMP GUARDS

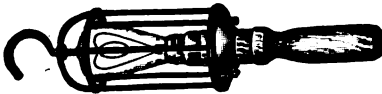


No. 107

NEVER-BREAK GUARDS

Trade No.	Mfrs. No.	C. P.	Style	Price per Dozen
074203	103	8	Light	\$2.00
074204	107	16	Light	2.00
074205	109	32	Light	2.50
074206	111	16	Heavy	3.00
074207	113	32	Heavy	4.00

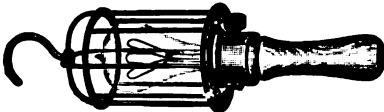
EACO GUARDS—GALVANIZED

Made to fit socket with $\frac{3}{8}$ -inch cap.

Eaco

Trade No.	To Fit Lamp C. P.		Price Each
41851	16 or 32	Without socket	\$2.00

BULLDOG GUARDS—COPPER-PLATED

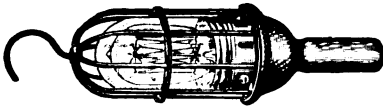


Bulldog

Trade No.	To Fit Lamp C. P.		Price Each
41852	16 or 32	With key socket	\$2.50

SAFETY VAPOR-PROOF GUARDS

Designed to meet the requirements of the garage or wherever gases or inflammable materials may be used. Has heavy steel frame, strong handle, handy grip hook and vapor-proof receptacle. Heavy tinned finish.

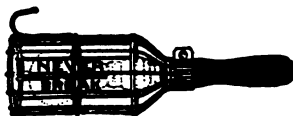


Safety Vapor-proof

Trade No.	Mfrs. No.	To Fit Lamp Watts	Style Socket	Price Each
59938	3001	25	Vapor-proof.	\$4.50

NEVER-BREAK PORTABLE GUARDS—TINNED

Heavy

Made to fit socket with $\frac{3}{8}$ -inch cap.

Never Break

Trade No.	Mfrs. No.	To Fit Lamp C. P.		Price per Dozen
074286	70	16	Without socket	\$12.00

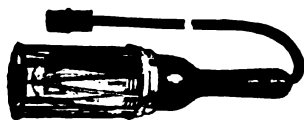
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN SPECIALTIES

HAND PORTABLES



No. 160P



No. 260VP

Fiber hand portables have removable lamp guard of hard fiber and fiber half shade. There are no exposed metal parts to cause short circuits or grounds.

Trade No.	Mfrs. No.	Std. Pkg.	Wt. Lbs.	Price Each
27546	160 P	10	18	\$2.00
120461	161 P	10	1½	.70

Vapor-proof hand portables Nos. 260VP-261VP have vapor-proof globe, reflector, metal guard with hinged hook and handle containing receptacle with Benjamin Lamp Grip. Additional No. 14 cable at 5 cents net per foot.

Trade No.	Mfrs. No.	Std. Pkg.	Wt. Lbs.	Price Each
120462	260 V P	10	18	3.15
120463	261 V P	10	17	2.70
120464	261 P	10	6½	2.00

OUTLET BOX LAMP GUARDS

Guard bases are slotted to fit either 3 or 4-inch boxes and will take 60-watt lamps.

Trade No.	Mfrs. No.	DIMENS., INCHES Diam. Depth	Price Each
120465	1400	4 5¾	\$0.80

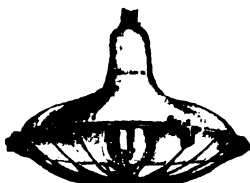


No. 1400

PENDENT LOCK GUARDS

Have a grooved band and eyebolt for attaching to the bead of an enameled steel reflector. This band has hinged connection and catch for holding guard in position. Padlock may be passed through the rim and eyebolt for locking.

Trade No.	Mfrs. No.	DIMENS., INCHES Diam. Depth	Price Each	Trade No.	Mfrs. No.	DIMENS., INCHES Diam. Depth	Price Each
120466	1377	6 1¼	\$0.90	27527	1388	14 4	\$1.60
27522	1378	7 1¼	1.00	27528	1390	15 6¼	2.00
27523	1380	8 1½	1.10	27529	1392	16 5	2.30
27524	1382	9 1¾	1.20	27530	1394	18 5¾	2.80
120467	1383	10 2¾	1.30	27531	1396	20 7	3.60
27525	1384	11 1¾	1.40	27532	1398	22 7½	4.20
27526	1386	12 2¾	1.50	....	....	.. ..	....



No. 1386

CEILING LOCK GUARDS

Have hinge adapted for attaching to the ceiling by two wood screws, and a fastening plate opposite the hinge, likewise attached by screws. The plate is designed to receive a loop on the guard. Padlock may be used if desired.

Trade No.	Mfrs. No.	Diam.	Depth	Price Each	Trade No.	Mfrs. No.	Diam.	Depth	Price Each
27533	†1350	10	7	1.20	27536	1356	16	6¾	1.80
27534	†1352	12	8	1.40	27537	1358	18	8¾	3.00
27535	†1354	14	9	1.60	27538	1360	20	11	4.00



No. 1356

The two-piece ceiling lock guards Nos. 1362-1374 have strong cylindrical upper guard adapted for attaching to the ceiling by three or more screws, and a lower or shallower portion hinged to it at the bottom. They are particularly designed for single unit ceiling fixtures.

Trade No.	Mfrs. No.	CYLINDRICAL GUARD, INCHES		HINGED GUARD, INCHES		Price Each
		Diam.	Depth	Diam.	Depth	
27539	†1362	11	8	11	1¾	\$1.60
27540	†1364	11	10	11	1¾	1.70
27541	†1366	11	12	11	1¾	1.80
27542	†1368	14	10	14	4	2.20
27543	†1370	14	12	14	4	2.50
27544	†1372	18	12	18	5¾	4.20
27545	†1374	18	16	18	5¾	4.80

†These guards are furnished on special order only, and require two weeks' notice.

Wire parts are of strong steel, tinned after welding. Fittings are galvanized.

Prices for all of above lock guards are less brass padlock shown. For the latter with two keys, add 50 cents to list.



No. 1364

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT ROSETTES

SCHEDULE H



Fusible Cap



Fuseless Cap

BRYANT JUNIOR TWO-PIECE ROSETTES

Fusible caps are rated for a capacity of 2 amperes, 125 volts.

Fuseless caps are rated for a capacity of 3 amperes, 250 volts.



Cleat Base

With Cleat Base

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Pkg.	Wt., Lbs.	Price Each
043089	1501	With fusible cap.....	10	250	115	\$0.16
043093	297	With fuseless cap.....	10	250	115	.15

Holes for supporting screws are spaced $1\frac{5}{8}$ inches on centers.



Concealed Base

With Concealed Base

043090	1502	With fusible cap.....	10	250	130	.16
043094	298	With fuseless cap.....	10	250	130	.15

Outside diameter of base is $2\frac{3}{8}$ inches.

Holes for supporting screws are spaced $1\frac{5}{8}$ inches on centers.

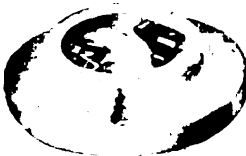


Molding Base

With Wood Molding Base

043091	1503	With fusible cap.....	10	250	125	.16
043095	299	With fuseless cap.....	10	250	125	.15

Holes for supporting screws are spaced $1\frac{5}{8}$ inches on centers.



Outlet Box Base

With Base for $3\frac{1}{4}$ -inch Outlet Boxes

043092	368	With fusible cap.....	1	100	75	.32
043096	369	With fuseless cap.....	1	100	75	.30

Outside diameter of base is $3\frac{1}{2}$ inches.

Holes for supporting screws are spaced $2\frac{3}{4}$ inches on centers.



No. 1999

BRYANT JUNIOR ONE-PIECE ROSETTES

Fuseless, 3 Amperes, 250 Volts

043098	1999	Cleat and concealed combined.	10	250	70	.08
043099	384	Two-wire wood molding.....	10	250	145	.08

Holes for supporting screws are spaced $1\frac{1}{4}$ inches on centers.

K. P. FUSELESS ROSETTES

One-piece, 3 Amperes, 250 Volts

043100	1499	Cleat.....	10	250	310	.18
043101	1710	Concealed.....	10	250	290	.16

Outside diameter of base is $3\frac{1}{8}$ inches.

Holes for supporting screws are spaced $2\frac{1}{2}$ inches on centers.



No. 1499

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT ROSETTES

SCHEDULE H



Pendent Cap

Style A
Bracket CapStyle B
Bracket Cap

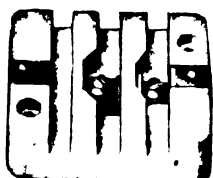
Cleat Base



Concealed Base



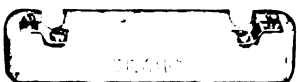
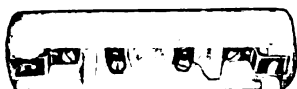
Two-wire Molding Base



Three-wire Molding Base



Combination Base



Cleat Rosette

K-W ROSETTES

FUSIBLE, 2 AMPERES, 125 VOLTS

With Cleat Base

Trade No.	Mfr. No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Each
043061	950	With pendent cap.....	10	250	165	\$0.26
043062	870	With pendent cap, cast lugs	10	250	170	.26
043068	1176	With Style A bracket cap..	10	100	75	.36
043073	1178	With Style B bracket cap..	10	100	72	.36

Holes for supporting screws are spaced $1\frac{5}{8}$ inches on centers.

With Concealed Base

043063	871	With pendent cap.....	10	250	155	.26
043067	873	With Style A bracket cap..	10	100	72	.36
043072	1073	With Style B bracket cap..	10	100	72	.36

Outside diameter of base is $2\frac{7}{8}$ inches.Holes for supporting screws are spaced $1\frac{5}{8}$ inches on centers.

With Two-wire Wood Molding Base

043064	926	With pendent cap.....	10	250	155	.26
043069	1177	With Style A bracket cap..	10	100	71	.36
043074	1179	With Style B bracket cap..	10	100	75	.36

Holes for supporting screws are spaced $1\frac{5}{8}$ inches on centers.

With Three-wire Wood Molding Base

043065	1426	With pendent cap.....	10	250	205	.26
043070	287	With Style A bracket cap..	10	100	80	.36
043075	288	With Style B bracket cap..	10	100	80	.36

Holes for supporting screws are spaced $2\frac{5}{8}$ inches on centers.

With Combination Base

043066	872	With pendent cap.....	10	250	160	.26
043071	1402	With Style A bracket cap..	10	100	72	.36
043076	1403	With Style B bracket cap..	10	100	75	.36

Holes for supporting screws are spaced $1\frac{5}{8}$ inches on centers.

FUSIBLE CLEAT ROSETTES

2 Amperes, 125 Volts

076644	965	With covered connections..	20	250	125	.26
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Holes for supporting screws are spaced $1\frac{1}{8}$ inches on centers.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

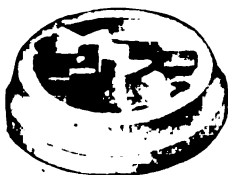
BRYANT ROSETTES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H



Cleat Base



Concealed Base



Wood Molding Base



Cleat Base



Concealed Base



Wood Molding Base

THOMAS ROSETTES

FUSIBLE, 2 AMPERES, 125 VOLTS



Pendent Cap



Bracket Cap

With Cleat Base

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Each
043077	3414	With pendent cap...	10	250	182	\$0.26
043086	3417	With bracket cap...	10	100	80	.36

Holes for supporting screws are spaced $1\frac{5}{8}$ inches on centers.

With Concealed Base

043078	3415	*With pendent cap...	10	250	170	.26
043087	3418	*With bracket cap...	10	100	75	.36

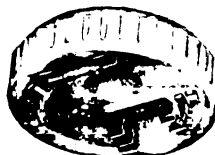
Outside diameter of base is $2\frac{7}{8}$ inches.Holes for supporting screws are spaced $1\frac{5}{8}$ inches on centers.

With Wood Molding Base

043079	3416	*With pendent cap...	10	250	172	.26
043088	3419	*With bracket cap...	10	100	70	.36

Holes for supporting screws are spaced $1\frac{5}{8}$ inches on centers.

FUSIBLE, 3 AMPERES, 250 VOLTS

Cap with Connections
for Enclosed FusesCap with Connections
for Open Link Fuses

With Cleat Base

043083	3423	With enclosed fuse cap.....	10	250	260	.30
043080	3420	*With link fuse cap..	10	250	250	.30

Holes for supporting screws are spaced $2\frac{3}{4}$ inches on centers.

With Concealed Base

043084	3424	With enclosed fuse cap.....	10	250	250	.30
043081	3421	*With link fuse cap..	10	250	240	.30

Outside diameter of base is $3\frac{3}{8}$ inches.Holes for supporting screws are spaced $2\frac{1}{2}$ inches on centers.

With Wood Molding Base

043085	3425	With enclosed fuse cap.....	10	250	245	.30
043082	3422	*With link fuse cap..	10	250	245	.30

Holes for supporting screws are spaced $1\frac{5}{8}$ inches on centers.

*Not National Electrical Code Standard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & S ROSETTES



No. 390

LITTLE GEM ROSETTES

Two-piece, Concealed

Trade No.	Mfrs. No.	Style	Sup. Screws Centered, In.	Car- ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
021446	390	Fusible	1 $\frac{1}{4}$	10	250	140	\$0.16
021447	79	Fuseless	1 $\frac{1}{4}$	10	250	140	.15

Have a 1-inch base. Deeply recessed to take loom or tubes. Outside diameter of base, 2 $\frac{3}{8}$ inches.



No. 810

Two-piece, Cleat

021448	400	Fusible	1 $\frac{1}{4}$	10	250	115	.16
021449	76	Fuseless	1 $\frac{1}{4}$	10	250	115	.15

Outside dimensions of base, 2 $\frac{3}{8}$ x 3 $\frac{1}{8}$ inches.



No. 1999

Two-piece, Molding

021450	810	Fusible	1 $\frac{1}{4}$	10	250	117	.16
021451	176	Fuseless	1 $\frac{1}{4}$	10	250	117	.15

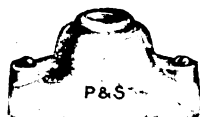
Outside dimensions of base, 2 $\frac{3}{8}$ x 2 $\frac{3}{8}$ inches.

Above rosettes will fit P & S Fixture Loop No. 1171.

ONE-PIECE FUSELESS CLEAT ROSETTES

Trade No.	Mfrs. No.	Sup. Screws Centered, In.	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
91423	1999	1 $\frac{5}{8}$	10	250	62	\$0.08

No. 1999 carries the wires $\frac{1}{2}$ inch from the surface wired over. It can be used on concealed work also, as holes for bringing the wires up through the base have been provided in the rosette. Outside dimensions, 2 $\frac{1}{2}$ x 2 $\frac{1}{2}$ inches.



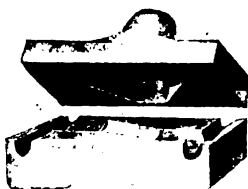
No. 610

TWO-PIECE FUSELESS ROSETTES

Molding

042944	610	2 $\frac{3}{4}$	10	250	75	.17
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No. 610 can be used without cutting molding. Wires are looped over the terminals and run straight through. Will fit P & S Fixture Loop No. 1171.



No. 607

Cleat

042946	607	1 $\frac{5}{8}$	25	250	81	.17
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The enclosed terminals make No. 607 particularly adapted for use on low ceilings and does away with the possibility of shock from exposed terminals. Outside dimensions of base, 1x3 inches.



No. 170

CEILING BUTTONS

Trade No.	Mfrs. No.	Sup. Screws Centered, In.	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100
042949	170	1 $\frac{1}{4}$	50	250	56	\$5.70

Outside diameter, 1 $\frac{1}{4}$ inches.

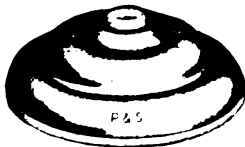
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & S ROSETTES

NATIONAL ELECTRICAL CODE STANDARD

CONCEALED ROSETTES

Rosettes with Brass Cap, Fuseless—For 3¼ or 4-inch Boxes



Nos. 200 and 112

Trade No.	Mfrs. No.	Outside Diameter Inches	Sup. Screws Centered, In.	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
*021440	200	4½	2¾ and 3½	1	50	75	\$0.80

Brass cap is fastened to base by spring contacts.

*021441	112	4½	2¾ and 3½	1	50	72	.80
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Brass cap is fastened to base by screws.



Nos. 1172 and 1173

Cap is regularly finished in brush brass. No extra charge for polished brass.

Porcelain Outlet Box Rosettes or Covers, Fuseless—For 3¼-inch Boxes only

*017626	1172	3½	2¾	10	100	60	.10
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There are no brass fittings attached.

Each carton contains the necessary screws to fasten to outlet box.



Nos. 1174 and 1175

*017628	1174	3½	2¾	10	100	60	.20
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Furnished complete with brass terminals.

Each carton contains the necessary screws to fasten to outlet box.

Porcelain Outlet Box Rosettes or Covers, Fuseless—For 4-inch Boxes only

*017627	1173	4½	3½	5	100	98	.14
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There are no brass fittings attached.

Each carton contains the necessary screws to fasten to outlet box.



No. 604

*017629	1175	4½	3½	5	100	105	.27
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Furnished complete with brass terminals.

Each carton contains the necessary screws to fasten to outlet box.

Two-piece, Rosettes, Fuseless

021444	604	2½	1½	10	250	125	.17
021445	605	2½	Extra caps	10	250	115	.11

*Hole in cap will take fixture loop No. 1171.

FIXTURE LOOPS

The illustration shows how it is possible to make a very handsome and inexpensive fixture by using rosettes No. 200, No. 112, No. 1172, No. 1173, No. 1174 or No. 1175, in connection with fixture loops Nos. 1170 or 1171.

In using this rosette the cost of a canopy, canopy insulator or insulating ring, insulating joint and hickey is saved.

These rosettes also have a wide range of use in connection with pendent drop cord work.



No. 1170

No. 1171

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
017623	1170	With ¼-in. threaded shank to fit ⅝-in. cap socket.....	50	100	14	\$0.11
017624	1171	With ⅝-in. threaded shank and brass hexagon nut.....	50	100	15	.13

Regular finish, brush brass. No extra charge for polished brass. For all other finishes, add 2 cents to list.

Rosette Fixture

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PAISTE FIELDING ROSETTES

Fielding Rosettes Shown on Two-Wire Wood Molding

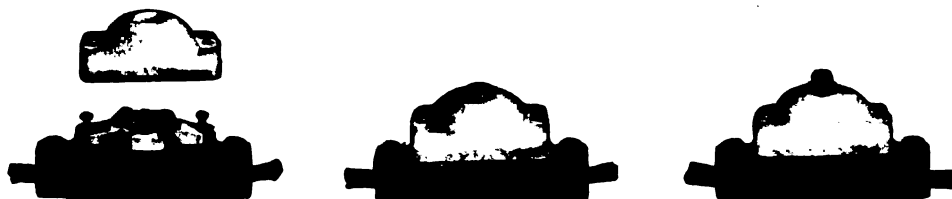


No. 435

No. 436

No. 439

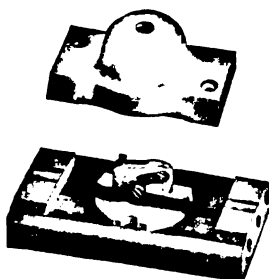
Fielding Rosettes Shown on Type C Pipe Taplets



No. 435

No. 436

No. 439



No. 437

FOR TWO-WIRE WOOD MOLDING

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std.	Price Each
06671	435	Plain cap.....	250	81	\$0.17
06672	436	With 1/8-inch bracket cap, female thread.....	100	58	.30
06673	439	With 1/8-inch bracket cap, male thread.	100	59	.30

FOR THREE-WIRE WOOD MOLDING

06674	437	Plain cap.....	250	140	.25
06675	438*	With 1/8-inch bracket cap, female thread.....	100	79	.35

These two-wire styles are to be used on two-wire wooden molding or on all styles of 1/2 and 3/4-inch Paiste Pipe Taplets.

These Fielding Rosettes are wired on either two-wire wooden molding, Paiste Metal Molding Boxes for National Molding or Paiste Pipe Taplets, in precisely the same manner as the Fielding Receptacles.



No. 433



No. 441

FOR CLEAT OR OPEN WORK

06676	433	Plain cap.....	250	131	.17
06677	434*	With 1/8-inch bracket cap, female thread.....	100	61	.30

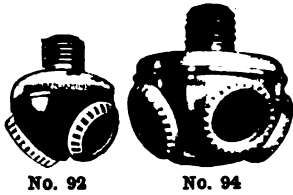
FOR CONCEALED WORK

06678	441	Plain cap.....	250	190	.20
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*These bracket caps can be fitted with 1/8-inch male threaded nipple as well, at same price as for female nipple.

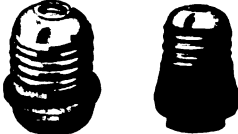
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN PLUG SOCKET SPECIALTIES



No. 92

No. 94

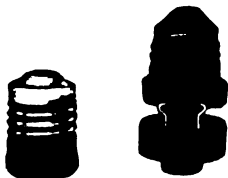


No. 903

No. 904

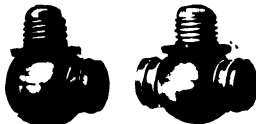


No. 903H



No. 907

No. 919



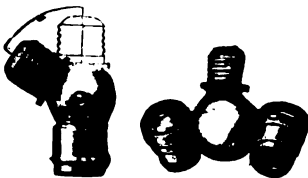
No. 9001

No. 9002



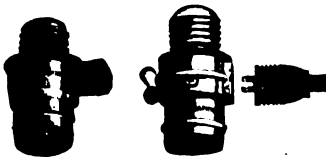
No. 91

No. 98



No. 99

No. 952



No. 95

No. 96

PLUG CLUSTERS

Designed for increasing the number of outlets of a single socket. Standard finish is brush brass.

Trade No.	Mfrs. No.	No. of Lights	Description	Std. Pkg.	Wt. Lbs.	Price Each
020912	*92	2	Multiple.....	10	4	\$1.00
020913	93	3	Multiple.....	10	6	1.30
020914	94	4	Multiple.....	10	6	1.60
020915	*92½	2	Series.....	10	4	1.00

BENJAMIN SWIVEL ATTACHMENT PLUGS

Has rotating sleeve for attaching plug.

047777	*903	..	.....	100	9	.25
27370	*903A	..	With counterbored bushing.....	100	9	.25
27371	*903C	..	With insulated set screw tip.....	100	10	.28
27372	*903E	..	With ½-in. bushing.....	100	10	.25
27380	903F	..	For armored cable.....	100	10	.50
27381	903G	..	With insulated bushing for armored cable.....	100	10	.50
27373	*904	..	With molded ring.....	100	10	.28

FLEXI-HANDLE SWIVEL ATTACHMENT PLUGS

Designed for use with lamp guards or reflectors of small diameter.

27382	903H	..	With 5-in. extension.....	20	3	.80
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BENJAMIN SOLID AND SEPARABLE PLUGS

Solid plugs have porcelain base and composition cap held together with central binding screw. Separable plugs have black porcelain body and composition cap which separate at any angle.

27375	*907	..	Solid plug.....	100	9	.15
27376	919	..	Separable plug.....	100	10	.25

ROTATING SOCKETS

Rotating sockets are provided with rotating sleeves.

020928	*9001	1	Unbalanced.....	20	5	.70
020930	*9021	1	Outside balance....	20	15	.90
020931	*9002	2	20	5	1.00

SOCKET EXTENSIONS

020934	*91	..	Dipped brass.....	50	5	.25
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REDUCERS

For adapting Mogul screw base to medium screw base lamps.

27374	*98	50	3½	.25
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TUNGSTEN ADAPTERS

The rotating sleeve permits a complete revolution of the socket, while the hinge joint allows a wide range of angular adjustment.

038890	*99	..	Brush brass.....	25	5	.70
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ADJUSTABLE PLUG CLUSTERS

The sockets may be turned to any position between two points 180° apart and locked by means of a screw. 2 and 4-light clusters and plugs may be wired two in series on 220-volt circuits.

038894	952	2	Wired.....	10	5	1.25
038895	953	3	Wired.....	10	6	1.55
038896	954	4	Wired.....	10	7	1.85
			With Pull Chain.....			
27377	955	2	Wired.....	10	5	1.85
27378	956	3	Wired.....	10	6	2.45
27379	957	4	Wired.....	10	7	3.05

CURRENT TAPS

The plug current taps, Nos. 96-96½, are designed to facilitate the attaching and detaching of portable devices. The body of the tap may be rotated to any desired position for accommodating the attaching plug and cord, and fixed by means of a rotating sleeve.

020935	*95	..	Multiple.....	50	9½	.50
020936	*95½	..	Series.....	50	9½	.50
060355	*96	..	Multiple.....	50	10	.80
060356	*96½	..	Series.....	50	10	.80
27383	*97	..	Plug only.....	50	1½	.25

Standard metal finish is brush brass, unless otherwise specified. *National Electrical Code Standard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT AND PERKINS ATTACHMENT PLUGS

NATIONAL ELECTRICAL CODE STANDARD—660 WATTS, 250 VOLTS



No. 500



No. 499

Nos. 1948 and
925

No. 1009



No. 345

Nos. 3286
and 1286

ONE-PIECE PORCELAIN

These plugs are made with a short screw thread so that they are inserted in the socket with only one turn, thereby avoiding the twisting of the cord.

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
17867	500	Fuseless, with binding screws..	25	250	33	\$0.10
17866	499	Fuseless, without binding screws.....	25	250	33	.09

No. 499 has terminals to which leads are to be soldered.

BRASS CAP



047772	1948	Fuseless.....	10	250	50	.22
047773	*925	Fusible.....	10	250	50	.22

ENAMELED WOOD HANDLE



047771	1009	Fuseless.....	10	100	12	.12
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MOLDED WEATHERPROOF

660 Watts, 600 Volts



047770	345	Fuseless.....	10	100	30	.44
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No. 3386

Each No. 345 plug is fitted with 6 inches of No. 14 B. & S. stranded rubber covered wire. Longer wires on special order. Extra charge, 9 cents list per foot ($4\frac{1}{2}$ cents each conductor).

PORCELAIN CAP



047774	3286	Fuseless.....	10	250	65	.22
047775	*1286	Fusible.....	10	250	65	.22
047769	3386	Fusible.....	10	250	110	.25

No. 3286 has $\frac{1}{4}$ -inch hole in cap for No. 16 approved portable cord; No. 1286 has $\frac{3}{8}$ -inch hole.

No. 3386 has connections for glass tube enclosed fuses. They are not included with the plug and will not be sent unless ordered separately.



No. 3284

SEPARABLE

Designed to meet the demand for a plug that can be inserted without twisting the cord. The base of the plug is inserted in the socket or receptacle first and the cap is attached afterward. The contacts are substantial and have ample carrying capacity, and the snap catch is sufficiently rigid to prevent accidental detachment of the cap, while a sharp pull on the conducting cord will remove the cap without danger of damaging the receptacle.

047767	3284	Fuseless.....	10	250	85	.25
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BRASS CAP, SEPARABLE



No. 3530

047768	3530	Fuseless.....	10	100	40	.32
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No. 3530 is the same as No. 3284, but with brass cap.

*Nos. 925 and 1286 plugs are not National Electrical Code Standard.

Illustrations are three eighths actual size.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT PLUGS AND RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD

SPARTAN INTERCHANGEABLE PLUGS AND RECEPTACLES

SCHEDULE H

Plug Caps—10 Amperes, 250 Volts

Any of these caps can be furnished "polarity" (non-reversible) without extra charge. To specify polarity caps, change the first letter to M, as: MA, MB, MC, etc.

Any of these caps can be furnished with the blades set tandem instead of parallel without extra charge. To specify caps with tandem blades, change the first letter to L, as: LA, LB, LC, etc.

Trade No.	Mfrs. No.	Description	Car- ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each Complete
123671	KA	Standard plug cap.....	10	50	8	\$0.15
123672	KB	Brass covered cap.....	10	50	8	.25

The standard finish on No. KB cap is brush or old brass, which will be shipped when no finish is specified. Polished brass, when specified, will be shipped without extra charge. For other finishes add 5 cents.

123673	KC	Brass covered cap, with finger grip.....	10	50	10	.35
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No. KC cap provides a means of detaching the cap from its base other than pulling on the conducting cord. Finishes are the same as for No. KB cap.

123674	KD	Elongated cap.....	10	50	9	.25
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No. KD cap is particularly for use with No. 48 conduit box receptacle when the two are installed in a water-tight floor box. The cap will be found advantageous for general use, however, as it more positively provides against fraying of the cord and exposed conductors than does the standard cap.

123675	KE	Pilot cap, 125 volts.....	10	30	12	.95
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The 2 candle power 125-volt candelabra base lamp, which forms a part of No. KE, is connected in multiple with the current-consuming device which is connected to the cap. The lamp burns whenever the plug is inserted in the base and thereby acts as a warning that current is being consumed.

123676	KF	Edison adapter cap, 660 watts.	10	30	6	.20
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No. KF permits the insertion of a medium base lamp in any Spartan base, or it may be used as an adapter to connect other makes of Edison attachment plugs into Spartan bases.

Attachment Plugs—660 Watts, 250 Volts

123677	100	Edison screw body.....	10	100	15	.10
123678	700	Body with standard cap.....	10	100	25	.25
123679	KB-100	Body with brass covered cap..	10	100	25	.35
123680	KC-100	Body with finger grip cap....	10	50	25	.45
123681	KD-100	Body with elongated cap.....	10	50	30	.35
123682	KE-100	Body with pilot cap, 125 volts	10	30	..	1.05
123683	KF-100	Body with Edison adapter cap	10	30	..	.30

For special finishes on brass covered caps, see listing of No. KB caps above.



No. KA



No. KB



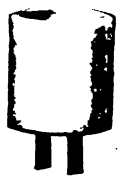
No. KC



No. KD



No. KE



No. KF



No. 100

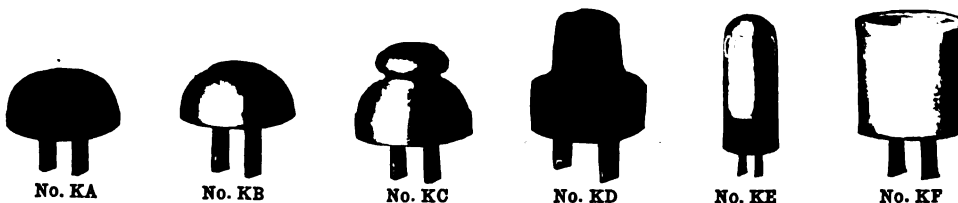
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT PLUGS AND RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD

SPARTAN INTERCHANGEABLE PLUGS AND RECEPTACLES

SCHEDULE H



Multiple Current Taps—660 Watts, 250 Volts

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each Complete
123696	101	Multiple current tap body.....	10	50	..	\$0.35
123697	KA-101	Body with standard cap.....	10	50	..	.50
123698	KB-101	Body with brass covered cap....	10	50	..	.60
123699	KC-101	Body with finger grip cap.....	10	50	..	.70
123700	KD-101	Body with elongated cap.....	10	50	..	.60
123701	KE-101	Body with pilot cap, 125 volts...	10	30	..	1.30
123702	KF-101	Body with Edison adapter cap...	10	30	..	.55

Series Current Tapes—660 Watts, 250 Volts

123703	102	Series current tap body.....	10	50	..	.35
123704	KA-102	Body with standard cap.....	10	50	..	.50
123705	KB-102	Body with brass covered cap....	10	50	..	.60
123706	KC-102	Body with finger grip cap.....	10	50	..	.70
123707	KD-102	Body with elongated cap.....	10	50	..	.60
123708	KF-102	Body with Edison adapter cap...	10	30	..	.55

Cord Connectors—10 Amperes, 250 Volts

123709	103	Cord connector body.....	10	50	10	.30
123710	KA-103	Body with standard cap.....	10	50	10	.45
123711	KB-103	Body with brass covered cap....	10	50	15	.55
123712	KC-103	Body with finger grip cap.....	10	50	15	.65
123713	KD-103	Body with elongated cap.....	10	50	15	.55
123714	KE-103	Body with pilot cap, 125 volts...	10	30	..	1.25
123715	KF-103	Body with Edison adapter cap, 660 watts.....	10	30	..	.50

For special finishes on brass covered caps see the preceding page.

Motor Attachment Plugs—10 Amperes, 250 Volts

This device is designed for supplying current to portable current-consuming devices such as heaters and vacuum cleaners. The part with the knife-blade contacts (measuring 1½ inches in diameter and having holes for supporting screws spaced 1 inch on centers) is permanently attached to the apparatus to which current is to be fed. It is well to so house this part as to protect the contacts from mechanical injury. The body piece is attached to the conductors which supply the current and, as all live parts are completely enclosed, it is impossible for a short circuit or ground to occur should this part, when disconnected from the apparatus, come in contact with some conducting material.

123716	KG	Motor attachment plug cap.....	10	50	10	.20
123717	KG-103	Motor attachment plug, complete	10	50	15	.50

New Wrinkle Receptacles—10 Amperes, 250 Volts

No. AA-29 device, in all its various combinations, is listed on another page.

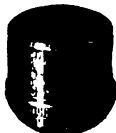
Interchangeable Porcelain Receptacles—10 Amperes, 250 Volts

No. PT-79 device, in all its various combinations, is listed on another page. New Wrinkle Emergency Shade Holders listed on another page may be used in connection with all the above current taps.

Spartan plug caps are listed separately on a preceding page.



Nos. 101 and 102



No. 103



No. KG-103



No. AA-29



No. PT-79

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT PLUGS AND RECEPTACLES
NATIONAL ELECTRICAL CODE STANDARD
SPARTAN INTERCHANGEABLE PLUGS AND RECEPTACLES
SCHEDULE H



No. KA



No. KB



No. KC



No. KD



No. KE



No. KF

Cleat Receptacles—10 Amperes, 250 Volts



No. 104

Trade No.	Mfrs. No.	Description	Car-ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each Complete
123731	104	Cleat base body	10	50	20	\$0.25
123732	KA-104	Body with standard cap. . .	10	50	25	.40
123733	KB-104	Body with brass covered cap.	10	50	25	.50
123734	KC-104	Body with finger grip cap. .	10	50	25	.60
123735	KD-104	Body with elongated cap. .	10	50	25	.50
123736	KE-104	Body with pilot cap, 125 volts	10	30	..	1.20
123737	KF-104	Body with Edison adapter cap, 660 watts.	10	30	..	.45

Holes for supporting screws are spaced $1\frac{1}{2}$ inches on centers.

Concealed Receptacles—10 Amperes, 250 Volts



No. 105

Trade No.	Mfrs. No.	Description	Car-ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each Complete
123738	105	Concealed base body	10	50	20	.25
123739	KA-105	Body with standard cap. . .	10	50	25	.40
123740	KB-105	Body with brass covered cap.	10	50	25	.50
123741	KC-105	Body with finger grip cap. .	10	50	25	.60
123742	KD-105	Body with elongated cap. .	10	50	25	.50
123743	KE-105	Body with pilot cap, 125 volts	10	30	..	1.20
123744	KF-105	Body with Edison adapter cap, 660 watts.	10	30	..	.45

Outside diameter of base is $2\frac{1}{2}$ inches.

Holes for supporting screws are spaced $1\frac{1}{2}$ inches on centers.

Receptacles with One-way Base for Metal Molding
10 Amperes, 250 Volts



No. 106

Trade No.	Mfrs. No.	Description	Car-ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each Complete
123745	106	One-way body	10	50	20	.25
123746	KA-106	Body with standard cap. . .	10	50	23	.40
123747	KB-106	Body with brass covered cap.	10	50	23	.50
123748	KC-106	Body with finger grip cap. .	10	50	23	.60
123749	KD-106	Body with elongated cap. .	10	50	25	.50
123750	KE-106	Body with pilot cap, 125 volts	10	30	..	1.20
123751	KF-106	Body with Edison adapter cap, 660 watts.	10	30	..	.45

Receptacles with Two-way Base for Metal Molding
10 Amperes, 250 Volts



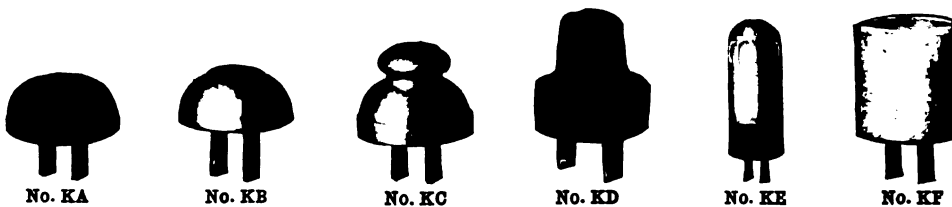
No. 107

Trade No.	Mfrs. No.	Description	Car-ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each Complete
123752	107	Two-way body	10	50	20	.25
123753	KA-107	Body with standard cap. . .	10	50	23	.40
123754	KB-107	Body with brass covered cap.	10	50	23	.50
123755	KC-107	Body with finger grip cap. .	10	50	23	.60
123756	KD-107	Body with elongated cap. .	10	50	25	.50
123757	KE-107	Body with pilot cap, 125 volts	10	30	..	1.20
123758	KF-107	Body with Edison adapter cap, 660 watts.	10	30	..	.45

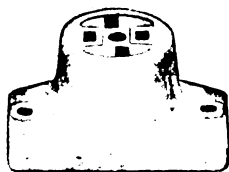
For special finishes on brass covered caps, see the listing of No. KB cap on a preceding page.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT PLUGS AND RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD
SPARTAN INTERCHANGEABLE PLUGS AND RECEPTACLES
SCHEDULE HReceptacles for $\frac{1}{2}$ and $\frac{3}{4}$ -inch Pipe Taplets and Wood Molding—

10 Amperes, 250 Volts



No. 108

Trade No.	Mfrs. No.	Description	Car- ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each Complete
123773	108	Taplet body.....	10	50	20	\$0.35
123774	KA-108	With standard cap..	10	50	23	.50
123775	KB-108	With brass covered cap	10	50	23	.60
123776	KC-108	With finger grip cap	10	50	23	.70
123777	KD-108	With elongated cap.	10	50	25	.60
123778	KE-108	With pilot cap, 125 volts	10	30	....	1.30
123779	KF-108	With Edison adapter cap, 660 watts...	10	30	....	.55

Holes for supporting screws are spaced $2\frac{5}{8}$ inches on centers.Receptacles for $\frac{1}{2}$ -inch Obround Condulets—10 Amperes, 250 Volts

No. 109

123780	109	Condulet body.....	10	100	....	.40
123781	KA-109	With standard cap.	10	50	....	.55
123782	KB-109	With brass covered cap	10	50	....	.65
123783	KC-109	With finger grip cap	10	50	....	.75
123784	KD-109	With elongated cap.	10	50	....	.65
123785	KE-109	With pilot cap, 125 volts	10	30	....	1.35
123786	KF-109	With Edison adapter cap, 660 watts...	10	30	....	.60

Receptacles for $\frac{3}{4}$ -inch Obround Condulets—10 Amperes, 250 Volts

No. 110

123787	110	Condulet body.....	10	100	....	.45
123788	KA-110	With standard cap.	10	50	....	.60
123789	KB-110	With brass covered cap	10	50	....	.70
123790	KC-110	With finger grip cap	10	50	....	.80
123791	KD-110	With elongated cap.	10	50	....	.70
123792	KE-110	With pilot cap, 125 volts	10	30	....	1.40
123793	KF-110	With Edison adapter cap, 660 watts...	10	30	....	.65

Receptacles with Base for Adaptiboxes—10 Amperes, 250 Volts



No. 111

123794	111	Adaptibox body....	10	50	25	.35
123795	KA-111	With standard cap.	10	50	28	.50
123796	KB-111	With brass covered cap	10	50	28	.60
123797	KC-111	With finger grip cap	10	50	28	.70
123798	KD-111	With elongated cap.	10	50	30	.60
123799	KE-111	With pilot cap, 125 volts	10	30	....	1.30
123800	KF-111	With Edison adapter cap, 660 watts...	10	30	....	.55

Outside diameter of base is $2\frac{7}{8}$ inches.Holes for supporting screws are spaced $2\frac{5}{8}$ inches on centers.

For special finishes on brass covered caps, see the listing of No. KB cap on a preceding page.

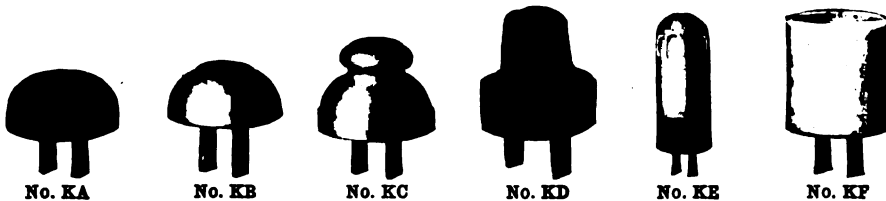
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT PLUGS AND RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD

SPARTAN INTERCHANGEABLE PLUGS AND RECEPTACLES

SCHEDULE H



Receptacles with Base for Conduit Boxes

10 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each Complete
123816	112	Conduit box body.....	10	50	20	\$0.25
123817	KA-112	Body with standard cap..	10	50	23	.40
123818	KB-112	Body with brass covered cap.....	10	50	23	.50
123819	KC-112	Body with finger grip cap..	10	50	23	.60
123820	KD-112	Body with elongated cap..	10	50	25	.50
123821	KE-112	Body with pilot cap, 125 volts.....	10	30	..	1.20
123822	KF-112	Body with Edison adapter cap, 660 watts.....	10	30	..	.45

Outside diameter of base is $1\frac{1}{4}$ inches.Holes for supporting screws are spaced $\frac{5}{8}$ inch on centers.

Receptacles with Base for Conduit Boxes—10 Amperes, 250 Volts

These receptacles are especially designed to be installed in a 4-inch octagon box of the standard type. The neck of the receptacle is threaded the same as $\frac{1}{2}$ -inch conduit and can therefore be inserted in any $\frac{1}{2}$ -inch knock-out and secured by a $\frac{1}{2}$ -inch locknut. When octagon boxes are used for surface work, these receptacles are extremely useful, as the binding posts are so arranged as to be easily accessible after the box has been installed, so that additional taps for drop cords or the like can be taken off at any time with a very slight expenditure of labor.

123823	113	Conduit box body.....	10	50	..	.25
123824	KA-113	Body with standard cap..	10	50	..	.40
123825	KB-113	Body with brass covered cap.....	10	50	..	.50
123826	KC-113	Body with finger grip cap..	10	50	..	.60
123827	KD-113	Body with elongated cap..	10	50	..	.50
123828	KE-113	Body with pilot cap, 125 volts.....	10	30	..	1.20
123829	KF-113	Body with Edison adapter cap, 660 watts.....	10	30	..	.45

Receptacles for Conduit Box Covers—10 Amperes, 250 Volts

123830	114	Conduit cover body.....	10	50	..	.25
123831	KA-114	Body with standard cap..	10	50	..	.40
123832	KB-114	Body with brass covered cap.....	10	50	..	.50
123833	KC-114	Body with finger grip cap..	10	50	..	.60
123834	KD-114	Body with elongated cap..	10	50	..	.50
123835	KE-114	Body with pilot cap, 125 volts.....	10	30	..	1.20
123836	KF-114	Body with Edison adapter cap, 660 watts.....	10	30	..	.45

Surface Heater Control Combination

No. 466 is listed on a preceding page.

For special finishes on brass covered caps, see the listing of No. KB cap on a preceding page.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 112



No. 113

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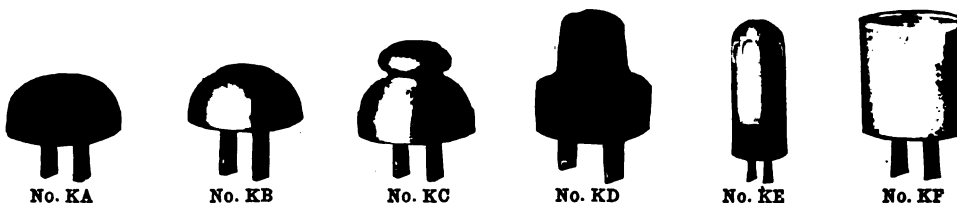
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No. 466

BRYANT PLUGS AND RECEPTACLES

SPARTAN INTERNATIONAL PLUGS AND RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD
SCHEDULE H

Flush Receptacles with Round Plate—10 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Car- ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Ea. Complete
123851	115	Receptacle body (receptacle and plate).....	1	50	....	\$0.85
123852	KA-115	With standard cap....	1	50	....	1.00
123853	KB-115	With brass covered cap.	1	50	....	1.10
123854	KC-115	With finger grip cap..	1	50	....	1.20
123855	KD-115	With elongated cap....	1	50	....	1.10
123856	KE-115	With pilot cap, 125 volts..	1	30	....	1.80
123857	KF-115	With Edison adapter cap, 660 watts.....	1	30	....	1.05

Plate is $2\frac{3}{4}$ inches in diameter. Body is $1\frac{1}{8}$ inches in diameter.

Holes for supporting screws are spaced $1\frac{7}{8}$ inches on centers.

Receptacles for 3/4-inch Outlet Boxes—10 Amperes, 250 Volts

123858	116	Receptacle body (receptacle and plate)...	1	50	....	.95
123859	KA-116	With standard cap....	1	50	....	1.10
123860	KB-116	With brass covered cap.	1	50	....	1.20
123861	KC-116	With finger grip cap..	1	50	....	1.30
123862	KD-116	With elongated cap....	1	50	....	1.20
123863	KE-116	With pilot cap, 125 volts.	1	30	....	1.90
123864	KF-116	With Edison adapter cap, 660 watts.....	1	30	....	1.15

Plate is $3\frac{5}{8}$ inches in diameter. Body of receptacle is $1\frac{1}{8}$ inches in diameter.

Holes for supporting screws are spaced $2\frac{3}{4}$ inches on centers.

Receptacle and Type O Switch Combination, 10 Amperes, 250 Volts

This device is a combination of a Spartan flush receptacle and a Type O double-pole, indicating flush switch, ready-wired, and designed to be installed in a standard single switch box. The line wires may be attached to either end of the device. If attached to the switch end, the switch controls the receptacle as well as the outgoing circuit; but if attached to the receptacle end, current may be taken off through the receptacle, irrespective of the position of the switch, which will control only the other outgoing circuit.

For combination plates, specify "W" sections for this device.

123865	117	Device complete, without cap...	1	10	....	2.00
123866	KA-117	With standard cap..	1	10	....	2.15
123867	KB-117	With brass covered cap	1	10	....	2.25
123868	KC-117	With finger grip cap	1	10	....	2.35
123869	KD-117	With elongated cap.	1	10	....	2.25
123870	KE-117	With pilot cap, 125 volts	1	10	....	2.95
123871	KF-117	With Edison adapter cap, 660 watts	1	10	....	2.20

Plate measures $4\frac{1}{2} \times 2\frac{3}{4}$ inches.

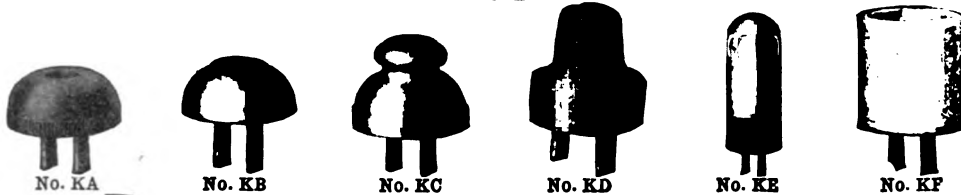
Holes for supporting screws are spaced $3\frac{1}{8}$ in. on centers.

Flush Heater Control Combination

No. 467 is listed on another page.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

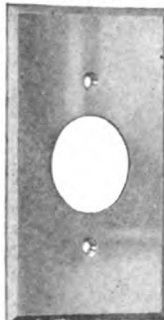
BRYANT PLUGS AND RECEPTACLES
NATIONAL ELECTRICAL CODE STANDARD
SPARTAN INTERCHANGEABLE PLUGS AND RECEPTACLES
SCHEDULE H



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 120



No. 429



No. 122



No. 550

Standard Flush Receptacles—10 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Car-ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each Complete
123886	120	Flush receptacle body.....	10	50	28	\$0.60
123887	KA-120	Body with standard cap.....	10	50	28	.75
123888	KB-120	Body with brass covered cap....	10	50	28	.85
123889	KC-120	Body with finger grip cap.....	10	50	28	.95
123890	KD-120	Body with elongated cap.....	10	50	30	.85
123891	KE-120	Body with pilot cap, 125 volts..	10	30	..	1.55
123892	KF-120	Body with Edison adapter cap, 660 watts.....	10	30	..	.80

Outside supporting screw holes are spaced $3\frac{3}{4}$ inches on centers; inside holes, $2\frac{3}{8}$ inches.

Receptacles will regularly be shipped with the porcelain boss, which projects through the plate, glazed black. White will be shipped without extra charge, when specified.

In ordering combination plates, specify "F" sections to accommodate the above receptacles.

Plates for Spartan Standard Flush Receptacles

036277	429	Single plate, stamped, $\frac{1}{16}$ -inch, $4\frac{1}{2} \times 2\frac{3}{4}$ inches.....	25	*	..	.35
104647	545	Single plate, solid, $4\frac{1}{2} \times 3\frac{3}{4}$ inches.....	25	*	..	.50
104648	529	Two-gang plate, solid, $4\frac{1}{2} \times 4\frac{9}{16}$ inches.....	10	*	..	1.00
104649	530	Three-gang plate, solid, $4\frac{1}{2} \times 6\frac{3}{8}$ inches.....	5	*	..	1.50
104650	531	Four-gang plate, solid, $4\frac{1}{2} \times 8\frac{3}{8}$ inches.....	5	*	..	2.00

Receptacles in gangs are spaced $1\frac{5}{8}$ inches on centers.

Duplex Flush Receptacles—Each Outlet 10 Amperes, 250 Volts

123893	122	Duplex receptacle body.....	10	50	40	.85
123894	KA-122	Body with two standard caps...	10	50	..	1.15
123895	KB-122	Body with two brass covered caps	10	50	..	1.35
123896	KC-122	Body with two finger grip caps..	10	50	..	1.55
123897	KD-122	Body with two elongated caps...	10	50	..	1.35
123898	KE-122	Body with two pilot caps, 125 volts.....	1	30	..	2.75
123899	KF-122	Body with two Edison adapter caps, 660 watts.....	1	30	..	1.25

Holes for supporting screws are spaced $3\frac{3}{4}$ inches on centers.

Receptacles will regularly be shipped with porcelain bosses, which project through the plate, glazed black. White will be shipped without extra charge, when specified.

In ordering combination plates, specify "V" sections to accommodate the above receptacles.

Plates for Spartan Duplex Receptacles

123900	550	Single plate, stamped, $\frac{1}{16}$ -inch, $4\frac{1}{2} \times 2\frac{3}{4}$ inches.....	25	*	15	.40
123901	551	Single plate, solid, $4\frac{1}{2} \times 2\frac{3}{4}$ inches.....	25	*	..	.65
123902	552	Two-gang plate, solid, $4\frac{1}{2} \times 4\frac{9}{16}$ inches.....	10	*	..	1.30
123903	553	Three-gang plate, solid, $4\frac{1}{2} \times 6\frac{3}{8}$ inches.....	5	*	..	1.95
123904	554	Four-gang plate, solid, $4\frac{1}{2} \times 8\frac{3}{8}$ inches.....	5	*	..	2.60

Receptacles in gangs are spaced $1\frac{5}{8}$ inches on centers.

*A standard package of plates consists of a sufficient number to accommodate 100 receptacles.

HUBBELL SEPARABLE ATTACHMENT PLUGS

660 WATTS, 250 VOLTS



No. 5406



No. 5910



No. 5493



No. 5729



No. 5824

Nos. 5815
and 5915Trade
No.

039485

Mfrs.
No.

5406

PORCELAIN

Description

Std.
Pkg.Wt., Lbs.
Std. Pkg.Price
Each

039486

5408

Porcelain cap.....

250

75

\$0.30

039487

5410

Composition cap.....

250

73

.35

039488

5607

Brass covered cap.....

250

75

.40

Base only.....

250

58

.15

COMPOSITION

039489

5467

Composition cap.....

250

68

.40

039490

5468

Brass covered cap.....

250

68

.50

039491

5612

Base only.....

250

46

.20

ALL HEAT-RESISTING MOLDED INSULATION

081329

5910

Composition cap.....

250

70

.50

081332

5911

Brass covered composition cap...

250

73

.60

081379

5914

Special composition base only...

250

45

.30

FOR RE-ENFORCED CORD

039493

5491

Porcelain cap.....

50

20

.55

039494

5493

Composition cap.....

50

20

.60

PORCELAIN, WITH 6-AMPERE FUSE

039496

5729

Porcelain cap.....

100

42

.75

039497

5754

Composition cap.....

100

42

.80

039498

5755

Brass covered cap.....

100

42

.85

039499

5756

Base only.....

100

30

.60

COMPOSITION, WITH 6-AMPERE FUSE

081302

5832

Porcelain cap.....

100

45

.90

081304

5824

Composition cap.....

100

45

.95

081307

5825

Brass covered cap.....

100

45

1.00

081309

5826

Base only.....

100

35

.75

Furnished complete, with 6-ampere fuse. If without fuse, deduct \$0.25.

SMALL SEPARABLE, WITH FLAT KNIFE-BLADE CONTACTS

081312

5815

Composition cap.....

100

25

.25

081319

5830

Brass covered composition cap...

100

25

.35

081327

5817

Base only, for Nos. 5815 and 5830.

100

15

.15

All Heat-resisting Molded Insulation

081359

5915

Composition cap.....

100

25

.25

66831

5916

Brass covered composition cap...

100

25

.35

66834

5917

Base only, for Nos. 5915 and 5916

100

15

.15

With Strain Relief Bushing

66835

6160

Porcelain base, composition cap..

100

30

.35

66836

6161

Composition base, composition cap

100

30

.35

WITH METAL COVERED SPLIT BUSHING

039511

5701

Brass covered cap, composition...

50

20

.65

081357

5929

Brass covered cap, porcelain.....

50

20

.60

RUBBER CASINGS

039506

5583

Rubber casing.....

30

5

.30

039507

5589

Rubber ring.....

30

1

.05

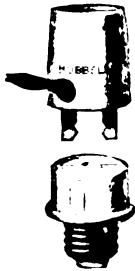
Showing
No. 5583 Casing
on No. 5406

Caps for above plugs are listed separately on another page.

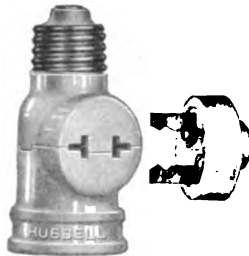
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL ATTACHMENT PLUGS

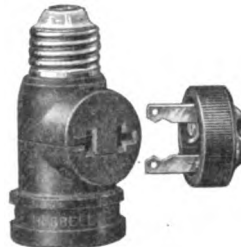
SCHEDULE H-2



No. 5454



No. 5735



No. 6338



No. 5746

CURRENT TAPS

Multiple

Porcelain—660 Watts, 250 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs.	Price Each
084006	5454	With plug base	50	25	\$0.50
084007	5625	Without plug base	50	15	.35
Composition—660 Watts, 250 Volts					
105535	6335	Without plug base	50	15	.40
Series					
084008	5510	With plug base	50	26	.50
084009	5626	Without plug base	50	15	.35

CURRENT TAPS, SIDE OUTLET

Porcelain—660 Watts, 250 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs.	Price Each
084010	5638	Multiple	50	24	\$0.50
105527	6295	Multiple, body only	50	..	.35
084011	5653	Series	50	24	.50
105528	6296	Series, body only	50	..	.35
Porcelain, with Shade Holder Groove					
084012	5735	Multiple	50	26	.50
105529	6297	Multiple, body only	50	..	.35
084013	5736	Series	50	26	.50
105530	6298	Series, body only	50	..	.35
Composition, with Shade Holder Groove					
105536	6338	Multiple	50	25	.65
105537	6339	Multiple, body only	50	20	.45

MOTOR ATTACHMENT PLUGS

Composition Base—10 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs.	Price Each
039530	5746	With porcelain cap	50	15	\$0.45
039531	5747	With strain relief bushing, porcelain cap	50	.15	.95
039532	5744	Porcelain cap only	50	10	.15
66876	5894	Special composition cap	50	15	.50
66877	5895	With strain relief bushing and special composition cap	50	20	1.00
66878	5896	Special composition cap only	50	10	.20

POLARIZED MOTOR PLUGS

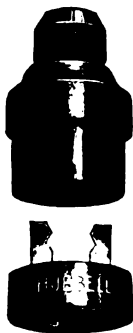
Composition Base—10 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs.	Price Each
105532	6277	With composition cap	30	..	.80
105533	6278	Base only	30	..	.50
105534	6279	Composition cap only	30	..	.30

REVERSE MOTOR PLUGS

All Composition—10 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs.	Price Each
105531	6143	With strain relief bushing	50	25	\$0.60



No. 5895

No. 6143
Exploded View

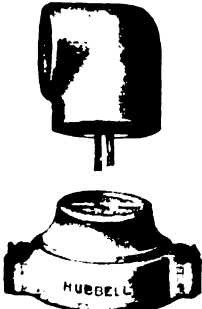
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL RECEPTACLES AND ATTACHMENT PLUGS

SCHEDULE H-2

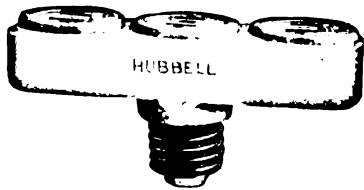


No. 6287



No. 5517

ANGLE RECEPTACLES



No. 6288

Trade No.	Mfrs. No.	Description	Supporting	Std. Pkg.	Wt. Lbs.	Price Each
			Screws Centered Inches			
084014	5515	Without base..	...	20	12	\$0.50
084015	5516	Concealed	1½	20	16	.75
084016	5517	Cleat.....	1½	20	16	.75
084017	5577	Molding	1¼	20	16	.75
084018	5613	Fielding.....	2½	20	16	.85

MULTIPLE PLUGS

Edison Base—10 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt. Lbs.	Price Each
			Pkg.		
52479	6287	Two outlets.....	10	..	\$0.70
52480	6288	Three outlets	10	..	1.05
084021	5335	Three-outlet base for Chapman Receptacles..	10	10	1.50

Base for Hubbell Receptacles—10 Amperes, 250 Volts

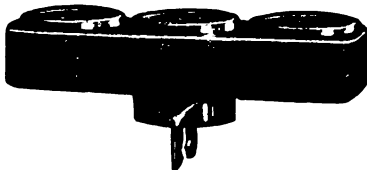
52481	6291	Two outlets.....	10	..	.70
52482	6292	Three outlets	10	..	1.05

Nos. 6291 and 6292 are for use only with flush receptacles having lift cover, No. 5501 type.

52483	6289	Two outlets.....	10	..	.70
52484	6290	Three outlets	10	..	1.05

Nos. 6289 and 6290 are for use with all Hubbell Receptacles, excepting flush receptacles having lift cover.

Caps for the above are listed separately on another page.



No. 6290

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL PLUGS AND RECEPTACLES

SEPARABLE ATTACHMENT PLUGS

Schedule H-1

For Three-wire Work—660 Watts, 250 Volts



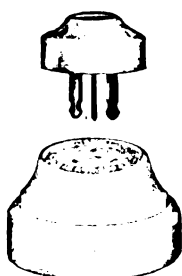
No. 6146

Trade No.	Mfrs. No.	Description	*Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
80693	6040	With porcelain cap.	100	40	\$0.50
80718	6146	With composition cap.	100	40	.55
80694	6041	With brass covered porcelain cap.	100	40	.60
80721	6308	With brass covered composition cap.	100	40	.65
80695	6042	Porcelain base only.	100	30	.30
80696	6043	Porcelain cap only.	50	12	.25
80719	6149	Composition cap only.	50	12	.30
80697	6044	Brass covered porcelain cap.	50	12	.35
80722	6150	Brass covered composition cap.	50	12	.40

WALL RECEPTACLES

Schedule H-2

With Concealed Base, for Three-wire Work—10 Amperes, 250 Volts



No. 6045

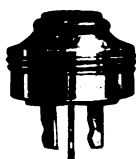
80698	6045	With porcelain cap.	50	30	.75
80720	6147	With composition cap.	50	30	.80
80699	6046	With brass covered porcelain cap.	50	30	.85
80723	6309	With brass covered composition cap.	50	30	.90
80700	6047	Porcelain base only for No. 6045 Plug.	50	25	.55

Supporting screw holes are spaced $1\frac{1}{2}$ inches on centers.

POLARIZED WALL RECEPTACLES

Schedule H-2

For Three-wire Work—20 Amperes, 250 Volts



No. 6055

80701	6055	Receptacle, concealed base.	30	30	1.25
80702	6058	Cap only.	30	15	.60
80703	6059	Base only.	30	25	.65

Supporting screw holes are spaced $1\frac{3}{8}$ inches on centers.

WALL RECEPTACLES FOR NATIONAL METAL MOLDING

Schedule H-2

With Terminal Base—10 Amperes, 250 Volts

80707	5939	Base only.	50	20	.25
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With Two-way Base—10 Amperes, 250 Volts

80711	6068	Base only.	50	25	.25
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With Terminal Base—20 Amperes, 250 Volts

80712	6090	With brass covered cap, polarized.	30	20	1.00
80713	6091	Base only.	30	15	.50
80714	5553	Brass covered cap only, polarized.	25	10	.50

With Two-way Base—20 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	*Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
80715	6092	With brass covered cap, polarized.	30	20	1.00
80716	6093	Base only.	30	15	.50
80717	5553	Brass covered cap only, polarized.	25	10	.50

Polished brass, brush brass and old brass, standard finishes for caps; all other finishes excepting gold, silver and sand-blast, add to list 5 cents.

Caps for above receptacles are listed separately on another page.

*Carton quantity, 10.



No. 6068

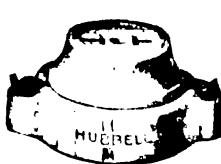
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL RECEPTACLES

SCHEDULE H-2



No. 5617



No. 5618



No. 5619



No. 5620

WALL RECEPTACLES

10 Amperes, 250 Volts



No. 5624

Trade No.	Mfrs. No.	Description	Sup. Screws Cent., In.	Std. Pkg.	Wt., Lbs. Std.	Price Each
039454	5617	Concealed base	1 1/2	50	20	\$0.25
039458	5618	Cleat base	1 1/2	50	20	.25
039462	5619	Molding base	1 1/2	50	20	.25
039466	5620	Fielding base	2 3/16	50	20	.35
039484	5624	Conduit box base . . .	5/8	50	15	.25

No. 5624 is designed for use with waterproof floor boxes and Type J condulets.

Caps for above receptacles are listed separately on another page.

RECEPTACLES FOR OUTLET BOX COVERS

10 Amperes, 250 Volts



No. 6103

The outlet box cover is placed between the top and bottom porcelain and is securely clamped by a screw threading through both porcelains. The method of attaching this plug does away with the necessity of drilling and tapping holes in the bottom of the fitting.

70558	6103	Base only	50	20	.25
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No. 6103 fits 3 1/4 and 4-inch raised outlet box covers with 1 1/4-inch hole.

Caps are listed separately on another page.

POLARITY RECEPTACLES

20 AMPERES, 250 VOLTS

Concealed Base



No. 5557

039467	5557	With cap	1 1/2	30	25	1.00
039471	5621	Base only	1 1/2	30	18	.50

Cleat Base

039468	5558	With cap	1 1/2	30	25	1.00
039472	5622	Base only	1 1/2	30	18	.50

Molding Base

039469	5559	With cap	1 1/2	30	25	1.00
039473	5623	Base only	1 1/2	30	18	.50
039470	5553	Cap only . . . . .	...	25	10	.50

10 AMPERES, 250 VOLTS

Concealed Base

70551	5882	With cap	1 1/2	30	16	.75
70555	5885	Base only . . . . .	...	30	9	.30

Cleat Base

70552	5883	With cap	1 1/2	30	17	.75
70556	5886	Base only . . . . .	...	30	10	.30

Molding Base

70553	5884	With cap	1 1/2	30	17	.75
70557	5887	Base only . . . . .	...	30	10	.30
70554	5567	Cap only . . . . .	...	30	12	.50

POLARITY CONDULET RECEPTACLES

20 Amperes, 250 Volts



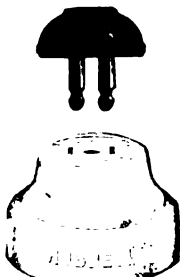
No. 5884

063830	5605	For use with Crouse-Hinds Type S Condulets	25	20	1.00
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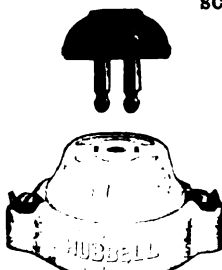
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL RECEPTACLES

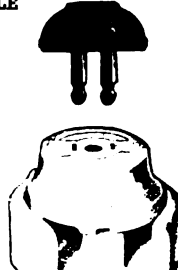
WITH PARALLEL KNIFE-BLADE CONTACTS

SCHEDULE
H-2

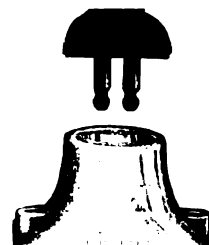
No. 5966



No. 5969



No. 5972



No. 5975

WALL RECEPTACLES—10 AMPERES, 250 VOLTS

Concealed Base

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs.	Price Each
66845	5966	With No. 5816 composition cap	50	23	\$0.40
66846	5967	With No. 5831 brass covered composition cap.....	50	23	.50
66847	5968	Base only.....	50	20	.25

Supporting screw holes are spaced $1\frac{1}{2}$ inches on centers.

Cleat Base

66848	5969	With No. 5816 composition cap	50	23	.40
66849	5970	With No. 5831 brass covered composition cap.....	50	23	.50
66850	5971	Base only.....	50	20	.25

Supporting screw holes are spaced $1\frac{1}{2}$ inches on centers.

Molding Base

66851	5972	With No. 5816 composition cap	50	23	.40
66852	5973	With No. 5831 brass covered composition cap.....	50	23	.50
66853	5974	Base only.....	50	20	.25

Supporting screw holes are spaced $1\frac{1}{8}$ inches on centers.

Fielding Base

66854	5975	With No. 5816 composition cap	50	23	.50
66855	5976	With No. 5831 brass covered composition cap.....	50	23	.60
66856	5977	Base only.....	50	20	.35

Supporting screw holes are spaced $2\frac{1}{8}$ inches on centers.

The above receptacles are interchangeable with small type plugs Nos. 5815 and 5915.

The fielding receptacle is designed to fit all styles of $\frac{1}{2}$, $\frac{3}{4}$ and 1-inch Type C Paiste Pipe Taplets.

CONDUIT BOX RECEPTACLES—10 Amperes, 250 Volts

66857	5981	With No. 5816 composition cap	50	23	.40
66858	5982	With No. 5831 brass covered composition cap.....	50	23	.50
66859	5983	Base only.....	50	20	.25

Supporting screw holes are spaced $\frac{3}{8}$ inch on centers.

SIDE OUTLET CURRENT TAPS—660 Watts, 250 Volts

66860	5985	Mult., with No. 5816 comp. cap	50	20	.50
66862	5986	Mult., with No. 5831 brass covered composition cap.....	50	20	.60
66863	5987	Series, with No. 5816 comp. cap	50	20	.50
66864	5988	Series, with No. 5831 brass covered composition cap.....	50	20	.60

For Shade Holders

66866	6112	Mult., with No. 5816 comp. cap	50	20	.50
66867	6113	Mult., with No. 5831 brass covered composition cap.....	50	20	.60
66868	6114	Series, with No. 5816 comp. cap	50	20	.50
66869	6115	Series, with No. 5831 brass covered composition cap.....	50	20	.60

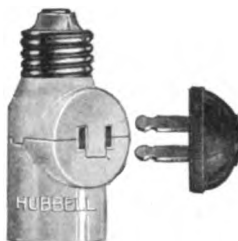
SMALL TYPE LAMP RECEPTACLES—660 Watts, 250 Volts

66865	5984	Lamp receptacle.....	30	6	.20
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 5981



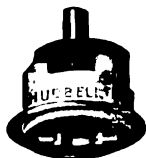
No. 5985



No. 5984

HUBBELL ATTACHMENT PLUGS

SCHEDULE H-2



No. 6251



No. 6250



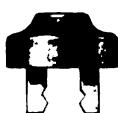
No. 6252



No. 6294



No. 66852



No. 5518



No. 5699



No. 6254



No. 5743



No. 6116

CHANDELIER PLUGS

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
66883	6251	Base only, without casing.	20	17	\$0.30
66884	6250	Base only, with brass casing	20	17	.45
66885	6252	Base only, with 1/8-inch bushing	20	18	.45
66886	6253	Base only, with 3/8-inch bushing	20	19	.51

WEATHERPROOF PLUGS

10 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
66887	6294	Porcelain base only	30	12	\$0.35
66888	6293	Composition base only	30	14	.60

COMPOSITION REVERSE ATTACHMENT PLUGS

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
039527	5652	10 amperes, 250 volts	50	20	\$0.75

EXTENSION CORD CONNECTORS

10 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
039525	5518	Composition cap.	50	15	\$0.50
039526	5519	Brass covered cap.	50	15	.60

Porcelain Connector

66879	6084	Porcelain cap.	50	15	.40
66880	6085	Composition cap.	50	15	.45
66881	6086	Brass covered cap.	50	15	.50

With Split Bushing Strain Relief

039528	5699	Strain relief cap.	50	25	1.25
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Polarized

039529	5743	Brass covered cap	30	16	1.00
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COMPOSITION PLUG CAPS

10 Amperes, 250 Volts

With Swivel Strain Relief Bushing

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
66892	6254	Standard contacts	50	12	.35
57289	6255	Small contacts	50	12	.35
57290	6328*	Standard contacts	50	12	.35
57291	6329*	Small contacts	50	12	.35

*Mfrs. Nos. 6328 and 6329 are especially fitted for use with steel armored flexible cord, the hard rubber bushing being shaped to the metal covering of the cord.

SMALL EXTENSION CORD CONNECTORS

Composition—10 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
66889	6116	Cord connector	50	15	\$0.50
66890	6118	Base only	50	10	.35
66891	5816	Cap only	50	8	.15

Caps for above plugs are listed separately on another page.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL ATTACHMENT PLUG FITTINGS



No. 5424



No. 5897



No. 5737



No. 5419



No. 5814

LAMP RECEPTACLES

660 Watts, 250 Volts
For Plug Receptacles

No. 5420



No. 5421

Trade No.	Mfrs. No.	Description	Schedule	Carton	Std. Pkg.	Wt. Lbs.	Price Each
084030	5424	Porcelain, 10 amps.	H-2	10	30	7	\$0.20
66893	5897	Composition, 10amps.	H-2	10	30	7	.35
For Polarized Plug Receptacles							
084031	5737	Porcelain, 10 amps.	H-2	10	30	7	.30
66894	5898	Porcelain, 20 amps.	H-2	10	30	7	.35

FUSELESS CAPS

10 Amperes, 250 Volts



No. 5700



No. 5657

084032	5419	Porcelain.....	H-1	10	50	8	.15
102018	5814	Porcelain elongated.	H-2	10	50	10	.25
084033	5420	Composition.....	H-1	10	50	8	.20
084034	5421	Brass cov. porc....	H-1	10	50	8	.25
084035	5523	Brass cov. comp....	H-1	10	50	8	.30
66895	5912	Composition, for No. 5910 plug....	H-1	10	50	8	.20
66896	5913	Brass covered, for No. 5911 plug....	H-1	10	50	8	.30

With Split Bushing Strain Relief

084036	5700	Brass cov. comp....	H-2	10	50	12	.45
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With Knostrain Bushing

084037	5657	Brass cov. comp....	H-2	10	50	12	.40
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SMALL TYPE FUSELESS CAPS

10 Amperes, 250 Volts



No. 5816



No. 5653

66901	5816	Composition.....	H-1	10	50	8	.15
66902	5831	Brass cov. comp....	H-1	10	50	8	.25
66903	5964	Special composition	H-1	10	50	8	.15
66904	5965	Brass cov. special comp.....	H-1	10	50	8	.25
102017	6162	Comp. with strain relief bushing....	H-1	10	50	9	.25

FUSELESS CAPS, POLARIZED

084038	5567	Brass cov., 10 amps.	H-2	10	30	12	.50
084039	5553	Brass cov., 20 amps.	H-2	10	25	10	.50

With Split Bushing Strain Relief

084040	5665	Brass cov. porc., for No. 10 jumper cable, 20 amps....	H-2	10	25	12	1.00
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SIGNAL ATTACHMENT PLUGS

10 Amperes, 125 Volts

With Standard Type Knife-blade Contacts

66897	6108	Without lamp.....	...	10	30	12	.55
66898	6109	Complete with lamp	...	10	30	12	.95

With Small Type Knife-blade Contacts

66899	6110	Without lamp.....	...	10	30	12	.55
66900	6111	Complete with lamp	...	10	30	12	.95

FUSIBLE CAPS

10 Amperes, 250 Volts



No. 5624



No. 5526

084041	5524	Porcelain.....	H-2	10	30	6	.20
084042	5525	Composition.....	H-2	10	30	6	.25

Equipped with Knostrain Bushing for Re-enforced Cord

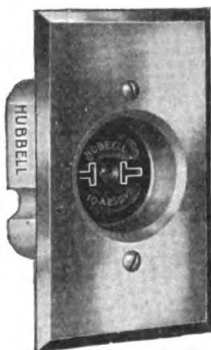
084043	5526	Brass cov. porc....	H-2	10	30	8	.40
084044	5527	Brass cov. comp....	H-2	10	30	8	.45

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL FLUSH RECEPTACLES

SCHEDULE H-3

10 AMPERES, 250 VOLTS



Nos. 6285 and 6286

WITH RECESSED PLATE

This device is equipped with the new Hubbell "T" slot contacts making it interchangeable with seventeen different types of caps. The construction permits the cap to be inserted in such a manner that the top of the cap is flush with the plate.

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
113466	6285	Porcelain receptacle only	50	50	28	\$0.60
113467	6286	Recessed plate only	50	50	28	.75

WITHOUT LIFT COVER—SMALL TYPE

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
113468	5802	Receptacle only	10	50	28	\$0.60
113469	5803	Single plate	10	50	16	.65
113470	5804	Two-gang plate	1	25	13	1.30
113471	5805	Three-gang plate	1	20	18	1.95
113472	5806	Four-gang plate	1	10	20	2.60



Nos. 5802 and 5803

WITH DOUBLE LIFT COVER—SMALL TYPE

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
66913	5927	Without cap	50	50	47	\$1.85
66914	5930	With No. 5816 composition cap	50	50	50	2.00
66915	5931	Receptacle only	10	50	30	.60
66916	5932	Single plate	10	50	22	1.25
66917	5933	Two-gang plate	1	25	18	2.40
66918	5934	Three-gang plate	1	15	17	3.55
66919	5935	Four-gang plate	1	10	20	4.85

Dimensions and Finishes of Plates

Sizes of plates: Single, $4\frac{1}{2} \times 2\frac{3}{4}$ inches; two-gang, $4\frac{1}{2} \times 4\frac{9}{16}$ inches; three-gang, $4\frac{1}{2} \times 6\frac{3}{8}$ inches; four-gang, $4\frac{1}{2} \times 8\frac{3}{16}$ inches.

Outside supporting screw holes are spaced $3\frac{1}{2}$ inches on centers.

Inside supporting screw holes are spaced $2\frac{5}{16}$ inches on centers.

Brush brass plates will be furnished unless otherwise specified.

Polished brass, brush brass, old brass, polished nickel, statuary bronze, polished bronze, oxidized copper, wrought iron and Bauerbarff are standard finishes for brass flush plates. All other finishes except gold, silver and sand-blast, add to list, per unit, 10 cents.

Caps for above receptacles are listed separately on another page.



No. 5930

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL FLUSH RECEPTACLES

SCHEDULE H-3

10 AMPERES, 250 VOLTS



Nos. 5547 and 5548

WITHOUT LIFT COVER

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
039418	5547	Receptacle only	10	50	32	\$0.60
†039419	5548	Single plate	10	50	16	.65
039420	5549	Two-gang plate	1	25	13	1.30
039421	5550	Three-gang plate	1	20	18	1.85
039422	5599	Four-gang plate	1	10	20	2.60

†Can be furnished in steel, finished genuine Bauer-barff at 65 cents list.

WITH LIFT COVER

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
039427	5579	Receptacle only	10	50	32	\$0.60
039428	5580	Single plate	10	50	22	1.40
039429	5581	Two-gang plate	1	25	18	2.80
039430	5582	Three-gang plate	1	15	17	4.20
039431	5600	Four-gang plate	1	10	20	5.60



Nos. 5579 and 5580

DUPLEX FLUSH RECEPTACLES

6 Amperes, 250 Volts per Outlet

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
66920	6257	Receptacle only, two outlets	10	50	40	\$0.85
66921	6258	Single plate only	10	50	15	.65
66922	6259	Two-gang plate only	1	25	10	1.50
44015	6260	Three-gang plate only	1	15	8	4.40
44016	6261	Four-gang plate only	1	10	7	6.50

Supporting screw holes are spaced $3\frac{3}{4}$ inches on centers.

Dimensions and Finishes of Plates

Sizes of plates: Single, $4\frac{1}{2} \times 2\frac{3}{4}$ inches; two-gang, $4\frac{1}{2} \times 4\frac{1}{2}$ inches; three-gang, $4\frac{1}{2} \times 6\frac{3}{8}$ inches; four-gang, $4\frac{1}{2} \times 8\frac{1}{8}$ inches.

Outside supporting screw holes are spaced $3\frac{3}{4}$ inches on centers.

Inside supporting screw holes are spaced $2\frac{3}{8}$ inches on centers.

Brush brass plates will be furnished unless otherwise specified.

*Polished brass, brush brass, old brass, polished nickel, statuary bronze, polished bronze, oxidized copper, wrought iron and Bauer-barff are standard finishes for brass flush plates. All other finishes, except gold, silver and sand-blast, add to list, per unit, 10 cents for receptacles without lift covers and 20 cents per unit for receptacles with lift covers

Caps for above receptacles are listed separately on another page.



Nos. 6257 and 6258

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL FLUSH RECEPTACLES

SCHEDULE H-3

POLARITY TYPE FLUSH RECEPTACLES

20 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt. Lbs.	Price Each
039432	5551	Recep. complete	*	25	32	\$2.00
039433	5552	Receptacle only	10	25	17	.75
039434	5553	Cap only	10	25	10	.50
039435	5554	Single plate	10	25	10	.75
039436	5555	Two-gang plate	1	15	10	1.50
039437	5556	Three-gang plate	1	10	10	2.25
039438	5586	Four-gang plate	1	10	14	3.00

10 Amperes, 250 Volts

039439	5565	Recep. complete	*	50	60	1.75
039440	5566	Receptacle only	10	50	30	.60
039441	5567	Cap only	10	30	12	.50
039442	5568	Single plate	10	50	22	.65
039443	5569	Two-gang plate	1	25	18	1.30
039444	5570	Three-gang plate	1	15	17	1.95
039445	5587	Four-gang plate	1	10	14	2.60

With Split Bushing Strain Relief Cap for No. 10 Jumper Cable—20 Amperes, 250 Volts

039446	5722	Recep. complete	*	25	32	2.50
039447	5552	Receptacle only	10	25	17	.75
039448	5665	Cap only	10	25	12	1.00
039435	5554	Single plate	10	25	10	.75
039436	5555	Two-gang plate	1	15	10	1.50
039437	5556	Three-gang plate	1	10	10	2.25
039438	5586	Four-gang plate	1	10	14	3.00

Without Lift Cover—For Three-wire Work
10 Amperes, 250 Volts

80001	6048	Without cap	*	50	55	1.60
80002	6049	With No. 6043 porcelain cap	*	50	60	1.85
80005	6148	With No. 6149 comp. cap	*	50	60	1.90
80003	6050	With No. 6044 brass covered porcelain cap	*	50	60	1.95
80008	6310	With No. 6150 brass covered composition cap	*	50	60	2.00
80004	6051	Receptacle only	10	50	35	.95
039419	5548	Single plate	10	50	16	.65
039420	5549	Two-gang plate	1	25	13	1.30
039421	5550	Three-gang plate	1	20	18	1.95
039422	5599	Four-gang plate	1	10	20	2.60

Outside supporting screw holes, $3\frac{1}{2}$ in. on centers.

Inside supporting screw holes, $2\frac{3}{8}$ in. on centers.

Sizes of plates: Single, $4\frac{1}{2} \times 2\frac{3}{4}$ inches; two-gang, $4\frac{1}{2} \times 4\frac{1}{8}$ inches; three-gang, $4\frac{1}{2} \times 6\frac{1}{8}$ inches; four-gang, $4\frac{1}{2} \times 8\frac{3}{8}$ inches.

*Porcelain receptacle, plate and cap, packed in separate cartons under their respective numbers.

FLUSH RECEPTACLES WITH ROUND PLATE

10 Amperes, 250 Volts

 $2\frac{3}{4}$ -inch Plates

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Each
80006	6282	Base and plate only	1	50	23	\$0.85

 $3\frac{1}{4}$ -inch Plates

80007	6283	Base and plate only	1	50	28	.95
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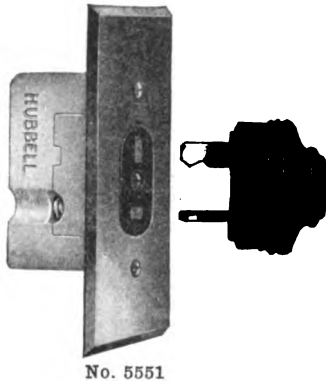
Parts

084260	5614	Receptacle only	10	50	16	.35
084261	5615	$2\frac{3}{4}$ -in. plate only	10	50	12	.50
084262	5616	$3\frac{1}{4}$ -in. plate only	10	50	12	.60

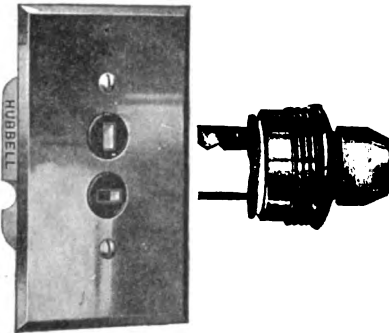
Holes for supporting screws, $1\frac{7}{8}$ inches on centers for $2\frac{3}{4}$ -inch plates and $2\frac{1}{2}$ inches on centers for $3\frac{1}{4}$ -inch plates.

Brush brass furnished unless otherwise specified. For other finishes see previous page.

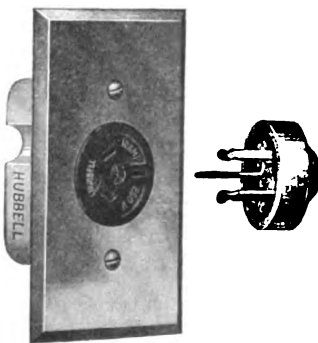
Caps for above receptacles are listed separately on another page.



No. 5551



No. 5722



No. 6049



No. 6282

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H ATTACHMENT PLUGS AND RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD

ATTACHMENT PLUGS

With Separable Cap—660 Watts, 250 Volts

Trade No.	Mfrs. No.	Description	*Std. Pkg.	Wt., Lbs. Std.	Lbs. Pkg.	Price Each
41271	7600	White porcelain base and cap...	250	80		\$0.25
41272	7601	White porcelain base with black composition cap.....	250	80		.25
41273	7602	Black composition base and cap	250	80		.35

NOTE.—Standard package discount allowed on assortment of 250 of Nos. 7600 and 7601 in full cartons of ten.

SPLIT ATTACHMENT PLUGS

660 Watts, 250 Volts

Trade No.	Mfrs. No.	Description	*Std. Pkg.	Wt., Lbs. Std.	Lbs. Pkg.	Price Each
41285	7605	Black Thermoplas heat-resisting composition.....	100	10		\$0.20

CORD CONNECTORS

10 Amperes, 250 Volts

41283	7650	Black composition.....	100	23		.50
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MOTOR ATTACHMENT PLUGS

10 Amperes, 250 Volts

41286	7655	Black composition.....	100	23		.50
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ATTACHMENT PLUG RECEPTACLES

Flush Receptacles with Brass Plate—10 Amperes, 250 Volts

41274	7611	With porcelain attachment plug cap	50	40		1.00
41275	7612	With black composition attachment plug cap	50	40		1.00
41276	7613	Without cap	50	40		.85

Flush receptacles consist of porcelain receptacles and struck-up plates $4\frac{1}{4} \times 2\frac{3}{4}$ inches. Finished in polished brass, brush brass, polished nickel, polished bronze and oxidized copper. For other finishes, except gold and silver, add 10 cents to list prices.

Round Base Surface Receptacles—10 Amperes, 250 Volts

41277	7616	With porcelain attachment plug cap, for concealed work	50	23		.35
41278	7617	With black composition attachment plug cap, for concealed work	50	23		.35
41279	7618	Without cap, for concealed work, ..	50	23		.20

Rectangular Base Surface Receptacles—10 Amperes, 250 Volts

41280	7621	With porcelain attachment plug cap, for molding work	50	25		.35
41281	7622	With black composition attachment plug cap, for molding work	50	25		.35
41282	7623	Without cap, for molding work...	50	25		.20

Slotted Round Base Surface Receptacles—10 Amperes, 250 Volts

41287	7627	With porcelain attachment plug cap, for open wiring	50	28		.35
41288	7628	With black Thermoplas attachment plug cap, for open wiring	50	28		.35
41289	7629	Without cap, for open wiring	50	28		.20

CAPS ONLY

Trade No.	Description	*Std. Pkg.	Wt., Lbs. Std.	Lbs. Pkg.	Price Each
41290	Porcelain	50			\$0.15
41291	Composition	50			.15

*Carton quantity for all the above plugs and receptacles is 10, except No. 7605, for which it is 25.



No. 7600



No. 7601



No. 7602



No. 7605



No. 7611



No. 7612



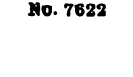
No. 7616



No. 7617



No. 7618



No. 7621



No. 7605

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H STANDARD INTERCHANGEABLE PLUGS AND RECEPTACLES

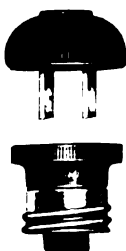
NATIONAL ELECTRICAL CODE STANDARD
660 WATTS, 250 VOLTS



No. 7702



No. 7703



No. 7700



No. 7750



No. 7755



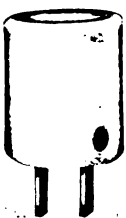
No. 7717



No. 7710



No. 7720



No. 7707

THE 7700 LINE

There are no set screws to loosen in C-H Standard Plugs because of their riveted blade construction. Riveting the contact blades is possible because the Thermoplas insulation used will stand the hammer blow incident to the riveting. This strength is a reason also for the durability of these plugs. The contact blades remain in permanent alignment, the cap has no thin or weak sections, and the appearance of the knurled finish is not spoiled by use.

C-H Standard straight pull attaching caps are interchangeable on all C-H Standard plugs and receptacles, and on the standard plugs and receptacles of other manufacturers.

ATTACHING CAPS Thermoplas—Straight Pull Type

Trade No.	Mfrs. No.	Description	*Std. Pkg.	Wt., Lbs. Std.	Price Each
133381	7702	Standard parallel blade cap.....	50	8	\$0.15
133382	7703	Tandem blade cap.....	50	8	.20
133403	7704	Parallel blade polarity cap.....	50	8	.15

ATTACHMENT PLUGS

Molded Thermoplas—Separable Cap					
133383	7700	Plug, body and cap No. 7702.....	100	18	.25
133384	7701	Plug, body only.....	100	14	.10

CORD CONNECTORS

Molded Thermoplas—Protected Contacts					
133385	7750	Cord connector and cap No. 7702.....	50	10	.45
133386	7751	Cord connector and cap No. 7703.....	50	10	.50
133387	7752	Cord connector, body only.....	50	10	.30

MOTOR ATTACHMENT PLUGS

Molded Thermoplas—Protected Contacts					
133388	7755	Attachment plug and cap.....	50	15	.50
133389	7757	Attachment plug, base only.....	50	8	.20

SURFACE RECEPTACLES

White Porcelain—Protected Contacts					
133390	7717	Receptacle, body only.....	50	20	.25
133391	7718	Receptacle and cap No. 7702.....	50	25	.40
133392	7719	Receptacle and cap No. 7703.....	50	25	.45

SINGLE FLUSH RECEPTACLES

White Porcelain—Protected Contacts					
133393	7710	Receptacle, body only.....	50	28	.60
133394	7711	Receptacle and cap No. 7702.....	50	32	.75
133395	7712	Receptacle and cap No. 7703.....	50	32	.80
133396	7647	Flush plate stamped $\frac{1}{8}$ -inch metal, $2\frac{3}{4} \times 4\frac{1}{2}$ inches.....	50	4	.35

DUPLEX FLUSH RECEPTACLES

White Porcelain—Protected Contacts					
133397	7720	Receptacle, body only.....	50	40	.85
133398	7721	Receptacle, two No. 7702 caps.....	50	48	1.15
133399	7723	Receptacle, two No. 7703 caps.....	50	48	1.25
133400	7722	Flush plate, stamped $\frac{1}{8}$ -inch metal, $2\frac{3}{4} \times 4\frac{1}{2}$ inches.....	50	4	.40

CURRENT TAPS

White Porcelain—Edison Lamp Shell					
133401	7707	Series current tap.....	50	25	.35
133402	7708	Parallel current tap.....	50	25	.35

*Carton quantity for all the above plugs and receptacles is 10, except Nos. 7647 and 7722 for which it is 25.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT FLUSH RECEPTACLESNATIONAL ELECTRICAL CODE STANDARD
SCHEDULE H**CHAPMAN RECEPTACLES**

12 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Car- ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
036278	1363	Gang receptacle.....	10	100	50	\$0.40
036280	1110	Plug only (porcelain).....	25	100	10	.20
036285	486	Polarity plug (porcelain).....	25	100	10	.20
036281	397	Plug only (indestructible)....	25	25	3	.40
104641	472	Chapman to Edison (Twin) Adapter	5	10	6	.50

Outside supporting screw holes, $3\frac{3}{4}$ inches on centers.Inside supporting screw holes, $2\frac{3}{8}$ inches on centers.

When ordering combination plates, specify "C" sections to take No. 1363.

Plates

036279	1364	Single plate, $4\frac{1}{2} \times 2\frac{3}{4}$ in.....	25	*	25	.45
104642	543	Single plate, $4\frac{1}{2} \times 2\frac{3}{4}$ in.....	25	*	30	.70
036282	1365	2-gang plate, $4\frac{1}{2} \times 4\frac{9}{16}$ in.....	10	*	40	1.40
036283	1366	3-gang plate, $4\frac{1}{2} \times 6\frac{3}{8}$ in.....	5	*	37	2.10
036284	1367	4-gang plate, $4\frac{1}{2} \times 8\frac{3}{8}$ in.....	5	*	34	2.80

Receptacles in gangs spaced $1\frac{1}{8}$ inches on centers.No. 1364 is stamped, $\frac{1}{8}$ inch. The others are solid.**CHAPMAN RECEPTACLES (OLD STYLE)****FUSIBLE**

036286	281	Gang receptacle.....	5	25	15	.70
036287	282	Single plate, $4\frac{1}{4} \times 2\frac{1}{2}$ inches.....	25	25	12	.65
036288	283	Plug only, composition.....	5	25	4	.50

Holes for supporting screws are spaced $3\frac{3}{4}$ inches on centers.Gang plates will be furnished only on special order. When so mounted, the receptacles will be spaced $1\frac{1}{8}$ inches on centers.

When ordering combination plates, specify "N" sections to take No. 281.

BRYANT SCREW PLUG FLUSH RECEPTACLES

660 Watts, 250 Volts

036275	1708	Gang receptacle.....	10	100	53	.30
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Outside supporting screw holes, $3\frac{3}{4}$ inches on centers.Inside supporting screw holes, $2\frac{3}{8}$ inches on centers.

When ordering combination plates for No. 1708 specify "E" sections if lids are wanted and "F" sections if lids are not wanted.

Plates, with Lids

036276	1709	Single plate, $4\frac{1}{2} \times 2\frac{3}{4}$ in.....	25	*	30	.40
104643	544	Single plate, $4\frac{1}{2} \times 2\frac{3}{4}$ in.....	25	*	45	.60
104644	526	2-gang plate, $4\frac{1}{2} \times 4\frac{9}{16}$ in....	10	*	40	1.20
104645	527	3-gang plate, $4\frac{1}{2} \times 6\frac{3}{8}$ in....	5	*	35	1.80
104646	528	4-gang plate, $4\frac{1}{2} \times 8\frac{3}{8}$ in....	5	*	30	2.40

Plates, without Lids

These plates are necessary when receptacles are to be used as lamp sockets.

036277	429	Single plate, $4\frac{1}{2} \times 2\frac{3}{4}$ in.....	25	*	4	.35
104647	545	Single plate, $4\frac{1}{2} \times 2\frac{3}{4}$ in.....	25	*	6	.50
104648	529	2-gang plate, $4\frac{1}{2} \times 4\frac{9}{16}$ in....	10	*	37	1.00
104649	530	3-gang plate, $4\frac{1}{2} \times 6\frac{3}{8}$ in....	5	*	36	1.50
104650	531	4-gang plate, $4\frac{1}{2} \times 8\frac{3}{8}$ in....	5	*	35	2.00

Receptacles in gangs spaced $1\frac{1}{8}$ inches on centers.Nos. 1709 and 429 are stamped, $\frac{1}{8}$ inch. The others are solid.**BRYANT DUPLEX SCREW PLUG FLUSH RECEPTACLES**

Each Outlet 660 Watts, 250 Volts

This receptacle will receive two Edison attachment plugs and can be installed in any standard single switch box.

121224	546	Duplex receptacle.....	10	30	..	.45
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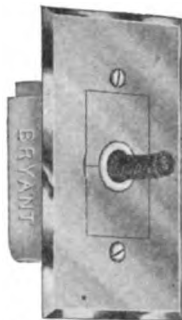
Holes for supporting screws are spaced $3\frac{3}{4}$ inches on centers.**Plate, with Lid**

121225	547	Solid plate, $2\frac{3}{4} \times 4\frac{1}{2}$ in.....	25	25	..	.80
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Plate, without Lid

121226	548	Solid plate, $2\frac{3}{4} \times 4\frac{1}{2}$ in.....	25	25	..	.60
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*Standard package consists of a sufficient number to accommodate 100 receptacles.



Nos. 1363, 1110 and 1364



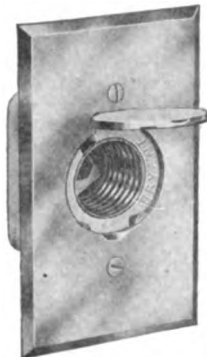
No. 397



No. 472



No. 281



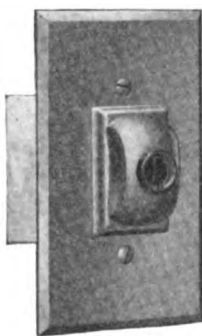
No. 1708 and No. 1709

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

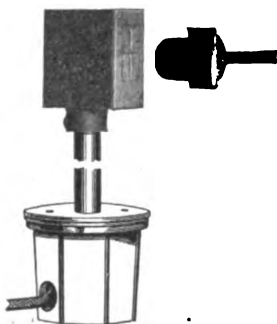
BRYANT FLUSH RECEPTACLES

NATIONAL ELECTRICAL CODE STANDARD
SCHEDULE HD. D. (DISAPPEARING DOOR) FLUSH RECEPTACLES
10 Amperes, 250 Volts

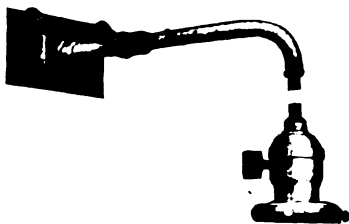
The doors open and close automatically with the insertion and withdrawal of the plug. This makes the receptacle suitable for floor as well as baseboard use, as dirt and dust cannot enter. It is also a very safe receptacle as it is almost impossible to gain access to the live parts except by means of plug.



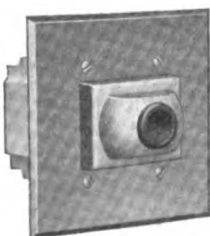
Nos. 430, 431 and 432



No. 497



Nos. 430, 489 and 490



Nos. 446, 447 and 448

Trade No.	Mfrs. No.	Description	Carton	Pkg.	Std. Pkg.	Lbs.	Price Each
19732	430	D. D. gang receptacle.	10	30	15	\$0.50	
19734	432	D. D. plug, brass covered. .	10	30	6	.60	
19738	494	D. D. plug, without metal cover.	10	30	5	.60	
19744	539	D. D. plug, polarity.	10	30	6	.60	
19733	431	Single plate, stamped $\frac{1}{8}$ -in. $4\frac{1}{2} \times 2\frac{3}{4}$ in.	25	*	11	.45	
19745	520	Single plate, solid, $4\frac{1}{2} \times 2\frac{3}{4}$ in.	25	*	12	.70	
19746	523	Two-gang plate, solid, $4\frac{1}{2} \times 4\frac{1}{2}$ in.	10	*	15	1.40	
19747	524	Three-gang plate, solid, $4\frac{1}{2} \times 6\frac{3}{8}$ in.	5	*	14	2.10	
123919	525	Four-gang plate, solid, $4\frac{1}{2} \times 8\frac{3}{8}$ in.	5	*	13	2.80	

*A standard package of D. D. plates consists of a sufficient number to accommodate 25 receptacles.

Outside supporting screw holes, $3\frac{1}{2}$ inches on centers.

Inside supporting screw holes, $2\frac{5}{8}$ inches on centers.

D. D. FLOOR OUTLET BOX EXTENSIONS

These extensions are a combination of any water-tight floor box and a Bryant disappearing door receptacle supported above the point where water might reach it by a piece of rigid conduit.

19740	497	Floor box and single D. D. recep.	1	10	15	2.00
19741	498	Floor box and two-gang D. D. recep.	1	5	12	5.00

The above prices are for black enameled boxes with brush brass plates. Plugs are not included.

D. D. HOTEL SAMPLE ROOM BRACKETS

The lamp, socket, cord, bracket, plug and braces can be removed at will, the receptacle alone remaining.

19742	489	Special D. D. bracket plate, $2\frac{3}{4} \times 4\frac{1}{2}$ in.	10	10	8	1.00
19743	490	D. D. plug and bracket.	1	10	10	3.50

Socket and cord not included in above prices.

Length of bracket is $10\frac{1}{4}$ inches. The plate attaches to a regular No. 430 D. D. receptacle.

HIGH CAPACITY D. D. RECEPTACLES

25 Amperes, 250 Volts

The design is the same as the D. D. receptacle listed above. It should be particularly noted that this receptacle occupies the space of two standard flush receptacles.

A Perkins high capacity flush switch may be used for controlling the current to these receptacles and these two devices may be mounted together on a single flush plate, in which case a four-gang switch box would be required.

19735	446	Gang receptacle.	1	10	9	1.50
19736	447	Single plate, solid, $4\frac{1}{2} \times 4\frac{1}{2}$ in.	1	10	8	2.00
19737	448	Indestructible plug.	1	10	6	1.50

There are holes for four supporting screws spaced $3\frac{3}{4}$ inches on centers vertically and $1\frac{3}{8}$ inches on centers horizontally. Plates for mounting these receptacles in gangs will be furnished only on special order. When so mounted the receptacles will be spaced $3\frac{5}{8}$ inches on centers.

When ordering combination plates, specify "D" sections to accommodate No. 430; "Z" sections for No. 446.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT RECEPTACLES

SCHEDULE H

THE WON-DOR FLUSH RECEPTACLES

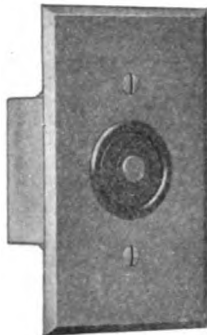
660 Watts, 250 Volts

The Won-Dor Receptacle fulfills every requirement for the perfect flush receptacle. It is indeed a wonder. Its one door automatically recedes upon the introduction of the plug and automatically returns when the plug is withdrawn, so that no live parts are ever accessible and dust and dirt are effectually excluded.

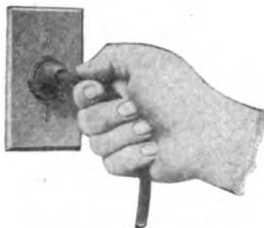
Won-Dor Receptacles take any Edison attachment plug. The plug is inserted by pushing it straight in. The plug is removed by pulling it straight out. The plug cannot be left part way in or out. If the plug is not in perfect contact, it is ejected by the spring of the door.

Even old style attachment plugs, which are neither swiveling nor separable, can be inserted in the Won-Dor receptacle without twisting the cord.

The receptacle is completely enclosed, even before the plate is attached, so that no mechanical damage can come to it during installation.



Nos. 555 and 429

Showing Plug Pushed
Straight InShowing Plug Pulled
Straight Out

Nos. 556 and 429



No. 557

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Price Each
70970	555	Won-Dor Gang Receptacle.	10	30	\$0.80

Outside supporting screw holes, $3\frac{3}{4}$ inches on centers.

Inside supporting screw holes, $2\frac{3}{8}$ inches on centers.

In ordering combination plates, specify F sections for Won-Dor receptacles.

Plates for Won-Dor Flush Receptacles

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Price Each
036277	429	Single-plate, stamped, $\frac{1}{8}$ inch, $4\frac{1}{2} \times 2\frac{3}{4}$ inches.....	25	*	\$0.35
104647	545	Single-plate, solid, $4\frac{1}{2} \times 3\frac{3}{4}$ inches.....	25	*	.50
104648	529	Two-gang plate, solid, $4\frac{1}{2} \times 4\frac{3}{8}$ inches	10	*	1.00
104649	530	Three-gang plate, solid, $4\frac{1}{2} \times 6\frac{3}{8}$ inches	5	*	1.50
104650	531	Four-gang plate, solid, $4\frac{1}{2} \times 8\frac{3}{8}$ inches	5	*	2.00

Receptacles in gangs are spaced $1\frac{3}{8}$ inches on centers.

HEAVY DUTY FLUSH RECEPTACLES, POLARIZED

20 Amperes, 250 Volts

Schedule H

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Each
70971	556	Heavy duty gang receptacle	10	30	17	\$0.75
70972	557	Heavy duty plug.....	10	30	10	.50

Outside supporting screw holes, $3\frac{3}{4}$ inches on centers.

Inside supporting screw holes, $2\frac{3}{8}$ inches on centers.

The standard finish on No. 557 plug is brush brass, which will be shipped when no finish is specified. For all other finishes, except those requiring gold or silver, which will be quoted upon application, add to list price 5 cents.

In ordering combination plates, specify F sections for Heavy Duty Receptacles.

Plates for Heavy Duty Receptacles are the same as listed above for Won-Dor Flush Receptacles.

*A standard package of plates consists of a sufficient number to accommodate 100 receptacles.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT RECEPTACLES AND PLUGS

NATIONAL ELECTRICAL CODE STANDARD

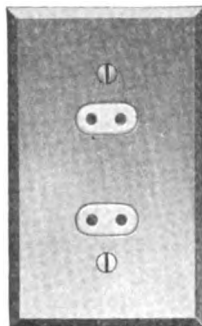
SCHEDULE H



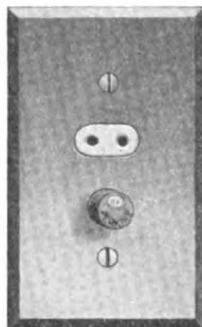
No. 1508



Nos. 411 and 412



Nos. 507 and 508



No. 509



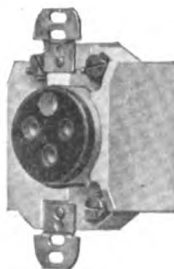
No. 468



No. 496



Nos. 475 and 476



JUNIOR FLUSH RECEPTACLES

12 AMPERES, 125 VOLTS—6 AMPERES, 250 VOLTS

With Small Round Plate, $2\frac{1}{4}$ Inches in Diameter

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Wt., Lbs.	Price Each
071123	1508	With No. 375 plug...	5	25 12	.80
071124	1509	Without plug.....	1	25 10	.55

Holes for supporting screws are spaced $1\frac{1}{4}$ inches on centers. Porcelain is 1 inch in diameter.With Large Round Plate $3\frac{3}{4}$ Inches in Diameter

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Wt., Lbs.	Price Each
071126	393	With No. 375 plug...	1	25 25	.90
071127	394	Without plug.....	1	25 20	.65

Holes for supporting screws are spaced $2\frac{3}{4}$ inches on centers. Porcelain is 1 inch in diameter.With Rectangular Plate $4\frac{1}{2} \times 2\frac{3}{4}$ Inches, for One Receptacle

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Wt., Lbs.	Price Each
071129	411	Receptacle only.....	25	25 25	\$0.40
071130	412	Single Plate, stamped $\frac{1}{16}$ -inch.	25	25 8	.35

Outside supporting screw holes, $3\frac{3}{4}$ in. on centers.Inside supporting screw holes, $2\frac{5}{8}$ in. on centers.

When ordering Combination plates, specify "J" sections to accommodate No. 411 receptacles.

With Rectangular Plate $4\frac{1}{2} \times 2\frac{3}{4}$ inches, for Two Receptacles

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Wt., Lbs.	Price Each
105159	507	Two-gang receptacles	10	10 3	.60
105160	508	Plate, stamped $\frac{1}{16}$ -inch	10	10 3	.45

Supporting screw holes spaced $3\frac{3}{4}$ in. on centers.

When ordering combination plates, specify "L" sections to accommodate No. 507 receptacles.

JUNIOR COMBINATION RECEPTACLES

A combination of a double-pole Type O indicating switch and a Junior Receptacle ready-wired. The line wires may be attached to either end of the device. If attached to switch end, the switch controls the receptacle as well as the outgoing circuit; but if attached to receptacle end, current may be taken off through the receptacle irrespective of the position of the switch, which will control only the other outgoing circuit.

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Wt., Lbs.	Price Each
105161	509	Receptacle with plug and plate, stamped, $\frac{1}{16}$ -inch.....	1	10 17	2.25

Size of plate, $4\frac{1}{2} \times 2\frac{3}{4}$ inches.Holes for supporting screws are spaced $3\frac{3}{4}$ inches on centers outside; $2\frac{5}{8}$ inches inside.

When ordering combination plates, specify "U" sections to accommodate No. 509 receptacles.

JUNIOR PLUGS

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Wt., Lbs.	Price Each
105162	375	Brass covered plug...	25	25 5	.25
105170	*517	Brass covered plug, with long prongs..	25	25 5	.50
105164	485	Brass covered plug, fusible (3 amps.)..	10	10 3	.50
105163	1510	Porcelain plug.....	25	25 5	.25

JUNIOR ADAPTERS—660 WATTS

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Wt., Lbs.	Price Each
105165	468	Adapter permitting use of Junior plugs in Edison sockets...	25	25 3	.20
105166	496	Junior to Edison adapter....	10	30 6	.20

THREE-WIRE FLUSH RECEPTACLES

10 Amperes, 250 Volts

For connection to small polyphase motors, heating appliances requiring heat variations, telephones, etc.

This receptacle takes plates Nos. 429, 545, 529, 530 and 531 listed on another page.

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Wt., Lbs.	Price Each
105167	475	3-wire plug receptacle	10	30 12	.95
105168	476	3-wire polarized plug.	25	25 5	.35

Holes for supporting screws are spaced $3\frac{3}{4}$ inches on centers outside; $2\frac{5}{8}$ inches inside.

When ordering combination plates, specify "F" sections to accommodate No. 475 receptacles.

*Not National Electrical Code Standard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT HEATER CONTROL COMBINATIONS

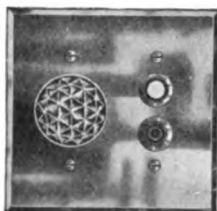
NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

READY WIRED BULL'S-EYE COMBINATIONS

10 Amperes, 125 Volts

In these combinations the devices are mounted on a single piece of porcelain and all necessary connections are complete, so that in installing the outfit it is only necessary to attach the line and load wires.



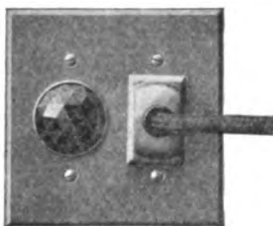
No. 413

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Each
19752	413	Combination complete...	1	10	28	\$4.50

This outfit consists of No. 427 lamp holder with lamp, No. 428 flush plate, No. 2520 D. P. switch cup, No. 2523 D. P. switch mechanism and No. 3639 flush plate.

92438	514	Combination complete...	1	10	..	4.50
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This combination consists of No. 430 D. D. receptacle, No. 520 D. D. plate, No. 432 D. D. plug, No. 427 lamp holder with lamp and No. 428 flush plate. So arranged that lamp lights when plug is inserted.



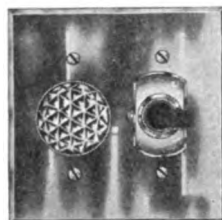
No. 514

19753	419	Combination complete...	1	10	30	4.00
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This outfit consists of No. 427 lamp holder with lamp, No. 428 flush plate, No. 2520 receptacle cup, No. 2528 receptacle mechanism No. 2567 receptacle plug and No. 3639 flush plate.

92439	515	Combination complete...	1	10	..	4.00
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This combination consists of No. 427 lamp holder with lamp, No. 428 flush plate, No. 2520 receptacle cup, No. 2567 receptacle plug, No. 2702 receptacle mechanism and No. 3639 flush plate. So arranged that lamp lights when plug is inserted.



Nos. 419 and 515

The above combinations are designed to be installed in a two-gang box. There are holes for four supporting screws, spaced $3\frac{1}{2}$ inches on centers vertically and $1\frac{1}{2}$ inches on centers horizontally.

19754	465	Combination complete, with 125-volt lamp and plate	1	10	18	3.50
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92440	469	Same combination as No. 465 with rotary lock flush switch.....	1	10	18	4.00
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92441	495	Combination similar to No. 465 but with three-point Type O flush switch instead of double-pole switch.....	1	10	18	3.50
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No. 465 combination consists of a No. 2494 Type O double-pole indicating switch mounted in a special porcelain that also provides a receptacle for a candelabra base lamp, which is covered by a perforated brass cage, so that the lamp cannot be removed without removing the plate. The lamp is in circuit whenever the switch is closed. This outfit may be installed in any standard single switch box.

Outside supporting screw holes, $3\frac{1}{2}$ inches on centers.

Inside supporting screw holes, $2\frac{1}{2}$ inches on centers.

Plates for mounting these receptacles in gangs will be furnished only on special order. When so mounted, the receptacles will be spaced $1\frac{1}{2}$ inches on centers.

When ordering combination plates, specify "M" sections to accommodate Nos. 465 and 495 switches.



No. 465

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

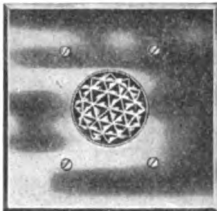
BRYANT RECEPTACLES AND CONTROL COMBINATIONS



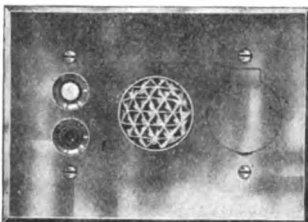
No. 428



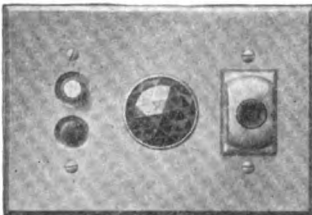
No. 427



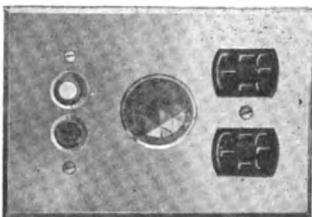
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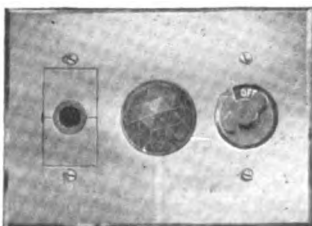
No. 437



No. 518



No. 558



No. 438

SCHEDULE H.

BULL'S-EYE RECEPTACLES

The outfit consists of a flush plate of standard dimensions in the center of which is a ruby glass bull's-eye. The lighted lamp beneath serves as an effective cautionary or danger signal. The lamp holding receptacle may be installed individually or may be mounted up in gangs with switches and receptacles and the entire combination covered by a single plate.

Trade No.	Mfrs. No.	Description	Std. Carton	Wt. Pkg.	Lbs. Std. Pkg.	Price Each
19748	427	Receptacle, with 2 candle power 125-volt candelabra base lamp	10	30	15	\$1.00
19749	428	Single plate for above, 4 1/2 x 2 3/4 inches.....	5	25	8	1.25

Outside supporting screw holes, 3 3/4 inches on centers.
Inside supporting screw holes, 2 3/4 inches on centers.

Plates for mounting these receptacles in gangs will be furnished only on special order. When so mounted, the receptacle will be spaced 1 5/8 inches on centers.

The above receptacle is designed to receive a Form B (General Electric) lamp. Lamps with candelabra bases are commercially limited to a maximum voltage of 125. When bull's-eye outfits are wanted for circuits above 125 volts, it is necessary to connect up two No. 427 receptacles in series and cover them with a No. 436 plate illustrated and listed below.

In ordering combination plates, specify "A" or "B" sections to accommodate No. 427 receptacle; specify "X" sections to accommodate two No. 427 receptacles wired in series.

19751	436	Single plate, 4 1/2 x 4 9/16 inches	1	10	..	1.60
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FLUSH HEATER CONTROL COMBINATIONS

All Inter-connections made Complete

These combinations are designed to be installed in a three-gang box. There are holes for four supporting screws spaced 3 3/4 inches on centers vertically and 3 3/8 inches on centers horizontally.

660 Watts, 125 Volts

19767	437	Combination complete	1	10	30	5.50
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This combination consists of No. 2520 D. P. switch cup, No. 2523 D. P. switch mechanism, No. 3639 flush plate, No. 427 lamp holder, with lamp, No. 428 flush plate, No. 1708 plug receptacle and No. 544 flush plate.

10 Amperes, 125 Volts

19770	518	Combination complete	1	10	35	6.00
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This combination consists of No. 2520 D. P. switch cup, No. 2523 D. P. switch mechanism, No. 3639 flush plate, No. 427 lamp holder, with lamp, No. 428 flush plate, No. 430 D. P. receptacle, No. 520 flush plate and No. 432 D. P. plug.

19769	467	Combination complete	1	10	35	5.75
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This combination consists of No. 2520 D. P. switch cup, No. 2523 D. P. switch mechanism, No. 3639 flush plate, No. 427 lamp holder with lamp, No. 428 flush plate and No. 120 Spartan receptacle and No. 545 Spartan plate.

19771	558	Combination complete	1	10	30	6.25
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This combination consists of No. 2520 D. P. switch cup, No. 2523 D. P. switch mechanism, No. 3639 flush plate, No. 427 lamp holder, with lamp, No. 428 flush plate, No. 122 Spartan Receptacle and No. 551 Spartan plate.

19768	438	Combination complete	1	10	30	6.00
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This combination consists of No. 2344 D. P. indicating switch, No. 2345 flush plate, No. 427 lamp holder, with lamp, No. 428 flush plate, No. 1363 Chapman receptacle, No. 543 Chapman plate and No. 397 Chapman plug.

Illustrations are one-fourth actual size.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

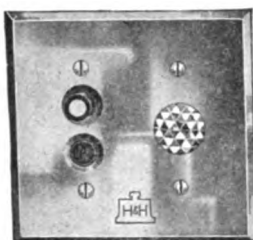


H & H RECEPTACLES



INDICATING PILOT LAMPS

When several momentary contact switches are used to operate, from separate points, the same remote control switch, a common pilot circuit is often run from the remote controlled device to all the momentary contact stations. On this circuit at each momentary contact station is installed one of the pilot lamp receptacles, No. 2999, and both the momentary contact switch and this receptacle, No. 2999, are covered by one two-gang plate, No. 4149, as shown in the illustration.



No. 4149



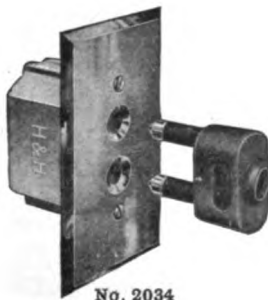
No. 2999



No. 3000



No. 2934



No. 2034

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PILOT LAMP RECEPTACLES

For installation on heater circuits and on remote control lines and on vacuum cleaner systems to indicate when the current is on. For use wherever a pilot light is needed. A candelabra lamp is mounted in the porcelain base and glows through the ruby cut glass bull's-eye when the circuit is closed. The plate is of standard dimensions and can be furnished in gangs and also in gang with other kinds of flush plates.

Trade No.	Mfra. No.	Description	Std. Pkg.	Wt., lbs.	Price Each
68601	2999	Receptacle with 2 C. P. 125-volt candelabra base lamp	25	17	\$1.00
68602	3000	Single plate (4x2 $\frac{3}{4}$) with bull's-eye	25	13	1.25
68603	4149	Two-gang combination bull's-eye and push plate (4 $\frac{1}{2}$ x4 $\frac{9}{16}$)	25	..	1.60
68604	4152	Combination plate (4 $\frac{1}{2}$ x6 $\frac{3}{8}$) for push switch, pilot lamp and plug receptacle (No. 2034)	25	25	2.25

BASEBOARD RECEPTACLES

The contacts are deep sleeves of bronze that closely engage the plug fingers over a large conducting area. Although they grip the fingers tightly, a slight pull will disengage the plug.

These devices have great overload capacity because the contacts are separated by a wall of porcelain so that the current cannot jump across and because the plug fingers reach the contacts through narrow tubes of porcelain that choke the arc and prevent its reaching the plate when the plug is withdrawn.

The porcelain base is only $1\frac{1}{4}$ inches deep and $1\frac{1}{4}$ inches wide so that it allows plenty of wiring room in the wall case.

These receptacles fit all standard wall cases and conduit boxes.

10 Amperes, 250 Volts

68605	2934	Receptacle complete	30	35	1.00
68606	3001	Base only	30	16	.40
68607	3002	Plug only	30	7	.25
68608	3011	Plate only	30	15	.35

Plates in gangs are spaced $1\frac{5}{8}$ inches between centers.

Outside supporting screw holes are spaced $3\frac{1}{8}$ inches on centers; inside holes $2\frac{1}{8}$ inches.

Dirt-Proof Baseboard Receptacles—10 Amperes, 125 Volts

The apertures in the faceplate of these receptacles are automatically closed with shutters when the plug is withdrawn. The insertion of the plug automatically opens the shutters and the plug fingers are snugly engaged by spring contacts. A great advantage is that the plug can be so easily inserted from any angle.

038617	2034	Receptacle complete	30	31	1.40
038618	2001	Receptacle base	30	15	.50
038619	2002	Receptacle plug	30	5	.25
038620	2033	Single plate for receptacle	30	15	.65

These receptacle plates may be furnished in gangs and also in gang combinations with switch plates.

Receptacles in gangs are spaced $1\frac{5}{8}$ inches between centers.

Outside supporting screw holes are spaced $3\frac{1}{8}$ inches on centers; inside holes, $2\frac{1}{8}$ inches.

BRYANT RECEPTACLES AND CONTROL COMBINATIONS

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

K-W SURFACE FUSELESS RECEPTACLES AND PLUGS

12 Amperes, 125 Volts; 6 Amperes, 250 Volts

Caps are interchangeable and will fit any K-W Rosette Base.



No. 1682

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
036260	1681	Concealed.....	1	25	22	\$0.50
036261	1682	Cleat.....	1	25	22	.50
036262	1683	Two-wire molding....	1	25	22	.50
036263	285	Three-wire molding ...	1	25	22	.50
036264	1684	*Combination.....	1	25	22	.50
036270	1510	Plug only	25	25	5	.25



No. 341

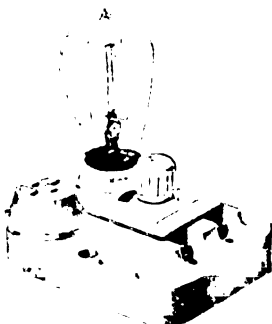
BRYANT SURFACE PLUG RECEPTACLES

For Concealed Work

25 Amperes, 250 Volts

Porcelain parts are massive and the current-carrying parts will stand heavy overloads without danger of heating. The contacts are marked in such a way that the plug can be restored to the receptacle without reversing polarity, but polarity can be reversed when desired.

036271	341	Plug receptacle complete	5	25	30	.60
036272	342	Receptacle only.....	5	25	10	.35
036273	343	Plug only.....	5	25	20	.25
036274	344	Porcelain sub-base for cleat and molding work.....	10	20	8	.10



No. 466

SURFACE HEATER CONTROL COMBINATIONS

10 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
19765	466	Complete.....	1	10	30	\$1.35

Combination consists of a 10-ampere, 250-volt indicating switch, a Spartan concealed receptacle and, in parallel with it, an Edison receptacle for a pilot lamp.

Base measures 4x5 inches. Outfit may be used for surface or concealed work. Cover is reversible so that when used for surface work, feed wires may enter either from above or below.

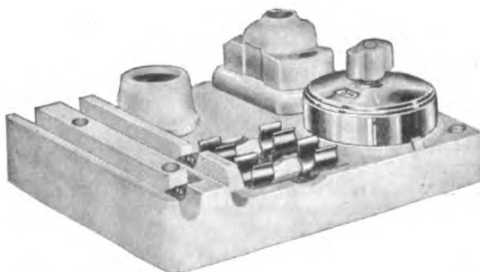
25 Amperes, 250 Volts

19766	439	Complete.....	1	10	70	3.50
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Combination consists of No. 1919 branch cut-out, D. P. indicating switch, No. 342 25-ampere plug receptacle, No. 343 25-ampere plug and No. 4000 receptacle for pilot lamp, without cap.

Base measures 5 $\frac{5}{8}$ x7 $\frac{7}{8}$ inches.

*Not National Electrical Code Standard.



No. 439

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS COMBINATION PLATES

On this page are shown in outline the different plates for flush devices of our manufacture, each identified by characteristic letter.

The list price of a combination plate is obtained by adding together the list prices, as given in the outline drawings, of the individual plates which are combined.

All combination plates will be billed in Schedule H.

The standard package quantity of combination plates is ten plates (not gangs).

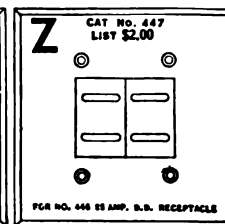
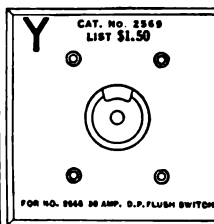
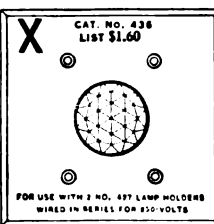
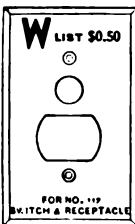
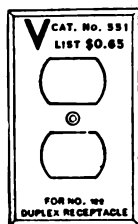
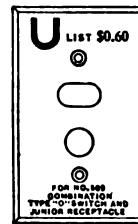
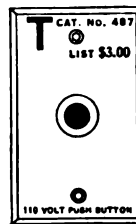
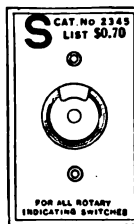
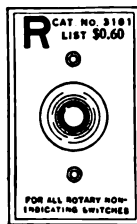
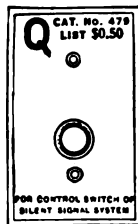
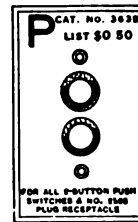
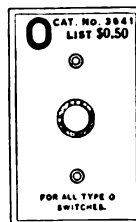
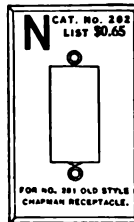
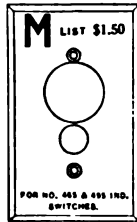
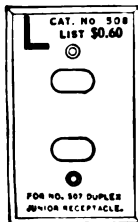
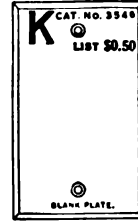
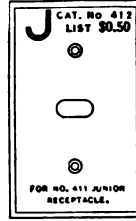
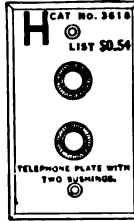
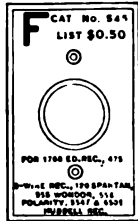
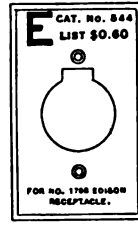
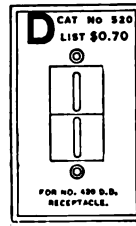
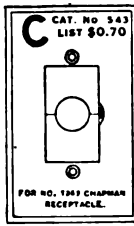
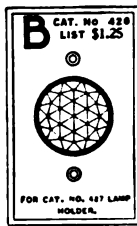
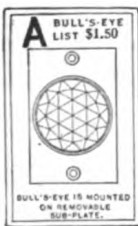
We give below some examples of the manner in which orders for combination plates should read, together with the list prices of the plates specified:

1 Combination plate PB, list price, \$1.75.

2 Combination plates $\left. \begin{matrix} O \\ E \\ E \end{matrix} \right\}$ list price, \$1.70.

1 Combination plate R F C C C C, list price, \$3.90.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



PERKINS SWITCH PLATES

SPECIAL FINISHES ON FLUSH PLATES

The standard finish on all flush plates, unless otherwise noted, is brush brass, which will be supplied on all orders where no other finish is specified.

For all other finishes, except those requiring gold and silver, add 10 cents per switch or receptacle to the price of the plate in standard finish. Prices on plates in gold and silver finishes will be quoted on application.

The only special finish which can be applied to steel plates is genuine Bauer-barff, for which add 36 cents list per switch.

PLATES WITH ROUND CORNERS AND ROUND EDGES

Plates with round corners and round edges, other than those listed on another page, will be furnished at 15 cents list, extra, for single plates and 5 cents list, extra, for each additional switch or receptacle in gang plates over the price of solid plates.

PLATES WITH ROUND CORNERS AND BEVELED EDGES

Plates with round corners and beveled edges will be furnished at 15 cents list, extra, per plate over the price of solid plates.

SPECIAL SIZE PLATES—SOLID ONLY

Special size plates for standard devices will be sold at a list price of 6 cents per square inch in lots of less than 100, and 4 cents per square inch in lots of 100 or more plates (not gangs) of one size and type. When plates are other than rectangular in shape, the area by which the list is determined will be the size of the smallest rectangular piece from which the specified plate, can be cut.

Orders for special size plates should always be accompanied by a plainly marked sketch, giving all dimensions.

BLANK PLATES

We have a great many orders for so-called blank plates. Unless otherwise specified we shall understand a blank plate to be one which may be used to cover an unused switch box, and will be made with holes for supporting screws spaced $3\frac{1}{2}$ inches on centers vertically and $1\frac{1}{2}$ inches on centers horizontally. Blank plates other than those listed on another page will be billed at the same list prices as switch plates of the same size, thickness and metal, but with Schedule H discounts.

SPECIAL PLATES

Plates which are special in ways not covered above will be quoted upon application.

Nothing in the prices listed above shall be understood to mean that special plates of any description will be furnished at a less price than the corresponding standard plate.

FACEPLATE SCREWS

Faceplate screws when bought separately will list at 75 cents per 100; standard package 100 in Schedule H.

ENGRAVING

Flush plates will be engraved with words or numbers to indicate the circuits controlled at a list price of 6 cents per letter or numeral.

ADJUSTING FRAMES FOR FLUSH SWITCHES

Perkins Adjusting Frames make it a simple matter to line up flush switches so that the plate will fit. These frames are made for both push button and rotary switches, and are supplied gratis to users of Perkins Switches.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS FLUSH SWITCHES AND RECEPTACLES

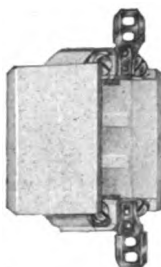
WITH REMOVABLE MECHANISM

NATIONAL ELECTRICAL CODE STANDARD

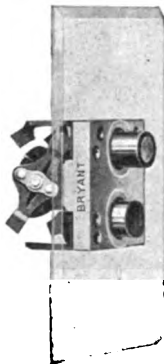
SCHEDULE H

The advantage of this construction is that the cup may be installed and the wires connected to the proper binding posts at the time that the wires are drawn into the conduits. The cup is closed by a fiber shield which it is not necessary to remove to gain access to the binding screws, so that the cup is thoroughly protected from dirt, plaster, etc.; but even if the shield is removed, the cup can be thoroughly cleaned with a screw-driver or a sharp stick. When all other work in the building is finished, the mechanism is installed and the plate attached, so that there is no possibility for any grit to collect in the mechanism to shorten its life and interfere with satisfactory operation.

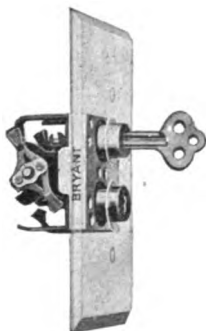
Attention is called to the fact that the cups for the receptacle and for the double-pole switch are identical, so that if a double-pole switch is originally installed and later it is desired to tap off current at this point, it may be accomplished by substituting a receptacle mechanism for the switch mechanism. The contacts on the receptacle mechanism are such that, when it replaces a double-pole switch mechanism, it completes the circuit through the cup. The load which the displaced switch mechanism controlled may be controlled locally or from some outlet nearer the load.



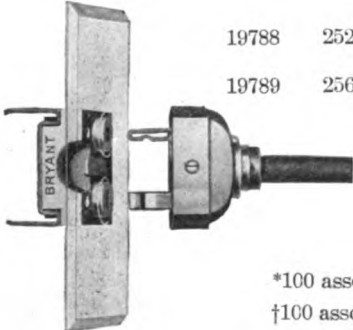
No. 2520



No. 2523



No. 2526



Nos. 2528 and 2567

Trade No.	Mfrs. No.	Description	AMPERES		Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
			125 Volts	250 Volts				
19779	2519	Cup for single-pole switch.....	10	5	10	100*	44	\$0.25
19780	2521	Cup for three-point switch.....	10	5	10	50*	25	.40
19781	2520	Cup for receptacle or double-pole switch.....	10	10	10	50*	25	.40
19782	2522	Single-pole switch mechanism.....	10	5	10	100†	14	.59
19783	2524	Three-point switch mechanism.....	10	5	10	50†	14	.80
19784	2523	Double-pole switch mechanism.....	10	10	10	50†	14	.80
19785	2525	Single-pole lock switch mechanism.....	10	5	10	100†	25	1.09
19786	2527	Three-point lock switch mechanism.....	10	5	10	50†	14	1.30
19787	2526	Double-pole lock switch mechanism.....	10	10	10	50†	14	1.30
19788	2528	Receptacle mechanism.....	10	10	10	50	14	.30
19789	2567	Receptacle plug....	10	10	10	50	12	.30

Outside supporting screw holes, $3\frac{3}{8}$ inches on centers.

Inside supporting screw holes, $2\frac{1}{8}$ inches on centers.

One No. 2299 key is furnished with each lock switch.

The above switches and receptacles use push button plates.

*100 assorted cups also constitute a standard package.

†100 assorted switch mechanisms also constitute a standard package.

When ordering combination plates, specify "P" sections for above.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT-PERKINS FLUSH SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

BRYANT PUSH BUTTON SWITCHES

Switches are dirt-proof, indestructible and are encased in molded insulation.

Gang Switches

Trade No.	Mfrs. No.	CAPACITY, AMPERES		Style	Carton	Std. Pkg.	Wt., Lbs.	Price Each
		125 Volts	250 Volts					
100495	601	10	5	Single-pole	10	50	30	\$0.72
100496	603	10	5	Three-point	10	20	15	.88
100497	604	10	5	Four-point	10	10	7	2.00
100498	602	10	10	Double-pole	10	10	7	.88
100499	609	20	20	Double-pole	10	10	7	1.40

Lock Gang Switches

100500	605	10	5	Single-pole	10	50	30	1.17
100501	607	10	5	Three-point	10	20	15	1.33
100502	608	10	5	Four-point	10	10	7	2.45
100503	606	10	10	Double-pole	10	10	7	1.33
100504	610	20	20	Double-pole	10	10	7	1.85

PERKINS PUSH BUTTON GANG SWITCHES

021342	2201	10	5	Single-pole	10	100	60	.45
021344	2203	10	5	Three-point	10	50	30	.70
021345	2204	10	5	Four-point	10	10	7	2.00
021343	2202	10	10	Double-pole	10	50	30	.70
19802	2623	20	20	Double-pole	10	20	11	1.00

Electroliner

19804	2625	5	2	1-2-1&2-off	10	10	7	1.05
19805	2626	5	2	1-1&2-1off	10	10	7	1.05
19806	2627	5	2	1-1&2-1&2&3-off	10	10	7	1.05
100505	2628	5	2	1-off-2-off	10	10	7	1.05
100506	2629	5	2	1-off-1&2-off	10	10	7	1.05
100507	2630	5	2	1-1&2-off	10	10	7	1.05
100508	2631	5	2	1-2-off or 2 speed fan motor	10	10	7	1.05
100509	2632	5	2	1-2-3-off or 3-speed fan motor	10	10	7	1.05

PERKINS PUSH BUTTON LOCK GANG SWITCHES

021346	2295	10	5	Single-pole	10	100	60	1.06
021347	2296	10	5	Three-point	10	50	30	1.30
021348	2297	10	5	Four-point	10	10	7	2.50
021349	2298	10	10	Double-pole	10	50	30	1.30
19803	2624	20	20	Double-pole	10	20	30	1.50

CAPAX PUSH BUTTON GANG SWITCHES

100510	2701	10	5	Single-pole	10	100	64	.31
100511	2703	10	5	Three-point	10	50	35	.42

MOMENTARY CONTACT FLUSH SWITCHES

In these switches, the circuit is closed only while the button is held in. Switches Nos. 2642 and 2644 are so constructed that it is impossible to close both circuits at once.

Gang Switches

100512	2641	10	5	Single circuit	10	10	..	2.25
100513	2642	10	5	Two-circuit	10	10	..	3.10

Lock Gang Switches

121023	2643	10	5	Single circuit	10	10	..	2.75
121024	2644	10	5	Two-circuit	10	10	..	3.60

When ordering combination plates, specify "Q" sections to accommodate Nos. 2641 and 2643; "P" sections for Nos. 2642 and 2644.

Outside supporting screw holes on all the above switches are spaced $3\frac{3}{32}$ inches on centers. Inside supporting screw holes, $2\frac{5}{16}$ inches on centers. One No. 2299 key is furnished with each lock switch.



No. 602



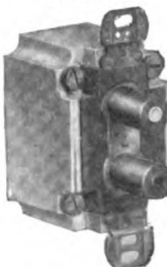
No. 2202



No. 2295



No. 2701



No. 2642

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PLATES FOR BRYANT-PERKINS FLUSH SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

SOLID PLATES FOR PUSH BUTTON SWITCHES



No. 3166, 3640 and 3666



No. 3369



No. 3632



No. 3546



No. 3618

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Trade No.	Mfrs. No.	No. of Switches	DIMENS., INCHES		Carton	Std. Pkg.	Wt., Lbs.	Price Each
			Height	Length				
92459	3639	1	4 1/2	2 3/4	25	*	30	\$0.50
92460	3640	2	4 1/2	4 9/16	10	*	55	1.00
021366	3167	3	4 1/2	6 3/8	5	*	37	1.50
021367	3168	4	4 1/2	8 3/8	5	*	35	2.00
021368	3169	5	4 1/2	10	5	*	33	3.00
021369	3170	6	4 1/2	11 13/16	1	*	31	3.60
021370	3171	7	4 1/2	13 5/8	1	*	29	4.20
021371	3172	8	4 1/2	15 7/8	1	*	27	4.80

Switches in gangs spaced 1 5/8 inches on centers.

Tandem, in One Vertical Row								
Trade No.	Mfrs. No.	No. of Switches	Height	Length	Carton	Std. Pkg.	Wt., Lbs.	Price Each
021372	3369	2	8 1/8	2 3/4	1	*	40	1.20
021373	3370	3	11 3/4	2 3/4	1	*	38	1.80
021374	3371	4	15 3/8	2 3/4	1	*	36	2.40

Switches in tandem spaced 3 5/8 inches on centers.

.060-inch Metal, Stamped								
Trade No.	Mfrs. No.	No. of Switches	Height	Length	Carton	Std. Pkg.	Wt., Lbs.	Price Each
021364	3165	1	4 1/2	2 3/4	25	*	30	.35
021365	3166	2	4 1/2	4 9/16	10	*	25	.70
Struck Up—.040-inch Metal								
037191	3665	1	4 1/2	2 3/4	25	*	20	.14
037192	3666	2	4 1/2	4 9/16	10	*	23	.28
037193	3667	3	4 1/2	6 3/8	5	*	20	.42
92461	3634	4	4 1/2	8 3/8	5	*	18	.88
92462	3635	5	4 1/2	10	5	*	16	1.10
92463	3636	6	4 1/2	11 13/16	1	*	15	1.32
92464	3637	7	4 1/2	13 5/8	1	*	14	1.54
92465	3638	8	4 1/2	15 7/8	1	*	13	1.76
With Round Corners and Edges—.040-inch Metal								
043913	3631	1	4 1/2	2 3/4	25	*	20	.14
043914	3632	2	4 1/2	4 9/16	10	*	25	.28
043915	3633	3	4 1/2	6 3/8	5	*	20	.42
Steel Plates, Brass-plated—.040-inch Metal								
16726	3621	1	4 1/2	2 3/4	25	*	28	.12
16727	3622	2	4 1/2	4 9/16	10	*	20	.24
16728	3623	3	4 1/2	6 3/8	5	*	17	.36

The only special finish in which steel plates can be furnished is genuine Bauer-barff, for which add 36 cents each.

PLATES FOR MOMENTARY CONTACT SWITCHES

These plates are for single-circuit switches only. Two-circuit switches take standard push button plates above.

92466	479	..	4 1/2	2 3/4	1	10	..	.50
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BLANK PLATES

Holes for supporting screws are spaced 3 3/8 inches on centers.

1/4-inch Brass, Stamped								
Trade No.	Mfrs. No.	Description	Vertical	Horizontal	Carton	Std. Pkg.	Wt., Lbs.	Price Each
92445	3546	Single	4 1/2	2 3/4	25	*	30	\$0.35
92446	3628	Two-gang	4 1/2	4 9/16	10	*	55	.70
Struck Up—.040-inch Brass								
92449	3551	Single	4 1/2	2 3/4	25	*	20	.22
92450	3624	Two-gang	4 1/2	4 9/16	10	*	23	.44
92451	3625	Three-gang	4 1/2	6 3/8	5	*	18	.66
Struck Up—.040-inch Steel								
92454	3556	Single	4 1/2	2 3/4	25	*	20	.12
92455	3626	Two-gang	4 1/2	4 9/16	10	*	23	.24
92456	3627	Three-gang	4 1/2	6 3/8	5	*	17	.36

SINGLE TELEPHONE PLATES

1/4-inch Brass, Stamped								
Trade No.	Mfrs. No.	Description	Vertical	Horizontal	Carton	Std. Pkg.	Wt., Lbs.	Price Each
92447	3606	With one 3/8-inch bushing.	4 1/2	2 3/4	25	*	20	.36
92448	3618	With two 3/8-inch bushings	4 1/2	2 3/4	25	*	20	.37
Struck Up—.040-inch Brass								
92452	3616	With one 3/8-inch bushing.	4 1/2	2 3/4	25	*	20	.23
92453	3619	With two 3/8-inch bushings	4 1/2	2 3/4	25	*	20	.24
Struck Up—.040-inch Steel								
92457	3617	With one 3/8-inch bushing.	4 1/2	2 3/4	25	*	20	.13
92458	3620	With two 3/8-inch bushings	4 1/2	2 3/4	25	*	20	.14

*Standard package of plates consists of 100 single plates or the equivalent in gangs.

PERKINS FLUSH SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

TYPE O PUSH BUTTON GANG SWITCHES



No. 2460

Trade No.	Mfrs. No.	CAPACITY AMPERES		Style	Car- ton	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each
		125 Volts	250 Volts					
044001	2457	10	5	Single-pole.....	10	50	30	\$1.00
044002	2458	10	5	Three-point.....	10	50	30	1.05
044003	2459	5	2	Four-point.....	10	10	7	1.05
044004	2460	5	2	Electrolier, 1-2-1 & 2-off.....	10	10	7	1.05
044005	2461	5	2	Electrolier, 1-1 & 2-1 & 2 & 3-off.....	10	10	7	1.05
044006	2462	10	10	Double-pole.....	10	50	30	1.05

With Indicating Dial in End of Button

044007	2491	10	5	Single-pole.....	10	50	30	1.10
044008	2492	5	2	Electrolier, 1-2-1 & 2-off.....	10	10	7	1.15
044009	2493	5	2	Electrolier, 1-1 & 2-1 & 2 & 3-off.....	10	10	7	1.15
044010	2494	10	10	Double-pole.....	10	50	30	1.15

Outside supporting screw holes, $3\frac{3}{8}$ inches on centers.

Inside supporting screw holes, $2\frac{3}{8}$ inches on centers.

Switches will be furnished with black buttons, unless otherwise specified, but buttons can be finished to match plates without extra charge.

These switches can also be supplied to make the same connections as Nos. 2626, 2628, 2629 and 2632 listed on a previous page.

When ordering combination plates, specify "O" sections to accommodate Type O switches.

PLATES FOR TYPE O SWITCHES

In One Horizontal Row

Stamped, $\frac{1}{8}$ Inch

Trade No.	Mfrs. No.	No. of Switches	DIMENS., INCHES Height	Length	Car- ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
043916	3641	1	$4\frac{1}{2}$	$2\frac{3}{4}$	25	*	30	\$0.35
043917	3642	2	$4\frac{1}{2}$	$4\frac{3}{8}$	10	*	32	.70

Solid

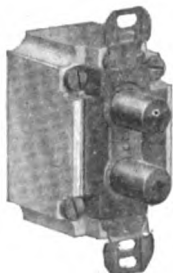
043918	3643	3	$4\frac{1}{2}$	$6\frac{3}{8}$	5	*	31	1.50
043919	3644	4	$4\frac{1}{2}$	$8\frac{3}{8}$	5	*	32	2.00
043920	3645	5	$4\frac{1}{2}$	10	5	*	29	3.00

Switches in gangs spaced $1\frac{3}{8}$ inches on centers.

TYPE O DUPLEX SWITCHES

This device consists of two Type O switches mounted in a porcelain cup that may be inserted in any shallow single switch box.

No. 2639 has two single-pole switches in series. No. 2640 has a single-pole switch in series with a 1-1 & 2-off electrolier switch.



No. 2640

Trade No.	Mfrs. No.	CAPACITY AMPERES		Style	Car- ton	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each
		125 Volts	250 Volts					
70089	2639	10	5	Two-circuit electrolier.....	10	10	10	\$1.80
70090	2640	10	5	Three-circuit electrolier.....	10	10	10	2.00

Outside supporting screw holes, $3\frac{3}{8}$ inches on centers.

Inside supporting screw holes, $2\frac{3}{8}$ inches on centers.

When ordering combination plates, specify "P" sections to accommodate Nos. 2639 and 2640 switches.

Type O duplex switches take standard two-button plates as listed on a previous page.

*Standard package consists of a sufficient number of plates to accommodate 100 switches.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS FLUSH SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

ROTARY GANG SWITCHES



No. 2208

Trade No.	Mfrs. No.	CAP., AMPs. 125 V. 250 V.	Description	Carton	Std. Pkg.	Wt. Lbs.	Price Each
021350	2205	5 3	Single-pole.....	10	100	60	\$0.62
021351	2206	10 5	Single-pole.....	10	50	30	.71
021352	2325	5 3	Three-point.....	10	50	30	.82
021353	2208	10 5	Three-point.....	10	50	30	1.05
021354	2209	5 2	Four-point.....	10	10	7	1.05
021355	2224	5 2	Electroliner, 2-cir.....	10	10	7	1.05
021356	2210	5 2	Electroliner, 3-cir.....	10	10	7	1.05
021357	2207	10 10	Double-pole.....	10	50	30	1.05

When ordering combination plates, specify "R" sections to accommodate these switches.

These switches can also be supplied to make the same connections as Nos. 2649, 2653, 2657 and 2664 listed on another page.

With Indicating Dial in Plate							
021358	2340	5 3	Single-pole.....	10	100	60	.72
021359	2341	10 5	Single-pole.....	10	50	30	.81
021360	2342	5 2	Electroliner, 2-cir.....	10	10	60	1.15
021361	2343	5 2	Electroliner, 3-cir.....	10	10	60	1.15
021362	2344	10 10	Double-pole.....	10	50	30	1.15
021363	2345	Single plate for above 4½x2¼ in.		25	*	40	.60

When ordering combination plates, specify "S" sections to accommodate these switches.

These switches can also be supplied to make the same connections as Nos. 2669 and 2570 listed on another page.

Outside supporting screw holes, 3½ inches on centers.

Inside supporting screw holes, 2½ inches on centers.

Rotary flush switches can be converted into lock switches by removing the handle and substituting No. 2384 lock attachment. Special plates are not required.

PLATES FOR ROTARY SWITCHES

In One Horizontal Row

Trade No.	Mfrs. No.	No. of Switches	DIMENS., INCHES Height	Length	Std. Pkg.	Wt., Lbs.	Price Each
105267	†3629	1	4½	2¾	*	25	\$0.40
105268	†3630	1	4½	2¾	*	30	.53
021375	3181	1	4½	2¾	*	45	.60
021376	3182	2	4½	4¾	*	36	1.20
021377	3183	3	4½	6¾	*	35	1.80
021378	3184	4	4½	8¾	*	34	2.40
021379	3185	5	4½	10	*	33	3.50
021380	3186	6	4½	11¾	*	32	4.20
021381	3187	7	4½	13¾	*	31	4.90
021382	3188	8	4½	15¾	*	30	5.60
Tandem, in One Vertical Row							
021383	3372	2	8½	2¾	*	34	1.40
021384	3373	3	11¾	2¾	*	40	2.10
021385	3374	4	15¾	2¾	*	38	2.80

Switches in gangs spaced 1½ inches on centers.

Switches in tandem spaced 3¾ inches on centers.

Gange plates for indicating switches will be made only on special order.

HIGH CAPACITY FLUSH SWITCHES

30 Amperes, 250 Volts

This switch requires a two-gang box.

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Each
105269	2568	Indicating gang switch.....	1	10	18	\$2.00
105270	2569	Single plate for above, 4½x4¾ in....	1	10	9	1.50

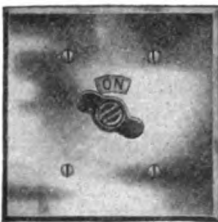
There are holes for four supporting screws spaced 3¾ inches on centers vertically and 1½ inches on centers horizontally.

When ordering combination plates, specify "Y" sections to accommodate No. 2568 receptacles.

*A standard package of plates for rotary switches consists of a sufficient number to accommodate 100 switches.

†Struck up out of .040-inch brass.

‡Stamped out of ¼-inch brass.



Nos. 2568 and 2569

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

SINGLE-POLE SWITCHES

SMALL SIZE

5 Amperes, 125 Volts—3 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Outside Diam. of Base Inches	Sup. Screws Centered Inches	Carton	Std. Pkg.	Wt., Lbs.	Price Each
038810	2000	Slotted.....	2	1 $\frac{3}{8}$	10	250	75	\$0.28
038811	*2220	Solid.....	2	1 $\frac{3}{8}$	10	250	75	.28
038812	2047	Slotted, indicating..	2	1 $\frac{3}{8}$	10	250	75	.32
038813	*2035	Solid, indicating....	2	1 $\frac{3}{8}$	10	250	75	.32

LARGE SIZE

5 Amperes, 125 Volts—3 Amperes, 250 Volts

038814	2170	Solid.....	2 $\frac{1}{4}$	1 $\frac{1}{2}$	10	100	30	.36
038815	2002	Slotted.....	2 $\frac{1}{4}$	1 $\frac{1}{2}$	10	100	30	.36
038816	2254	Solid, indicating...	2 $\frac{1}{4}$	1 $\frac{1}{2}$	10	100	30	.40
038817	2255	Slotted, indicating..	2 $\frac{1}{4}$	1 $\frac{1}{2}$	10	100	30	.40

10 Amperes, 125 Volts—5 Amperes, 250 Volts

038818	2001	Slotted.....	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	100	45	.48
038819	†2221	Solid.....	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	100	45	.48
038820	2048	Slotted, indicating..	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	100	45	.54
038821	†2036	Solid, indicating....	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	100	45	.54

THREE-POINT SWITCHES

3 Amperes, 125 Volts—1 Ampere, 250 Volts

044052	*2455	Solid.....	2	1 $\frac{3}{8}$	10	100	25	.48
044053	2456	Slotted.....	2	1 $\frac{3}{8}$	10	100	25	.48

5 Amperes, 125 Volts—3 Amperes, 250 Volts

038822	2175	Solid.....	2 $\frac{1}{4}$	1 $\frac{1}{2}$	10	100	25	.56
038823	2027	Slotted.....	2 $\frac{1}{4}$	1 $\frac{1}{2}$	10	100	25	.56

10 Amperes, 125 Volts—5 Amperes, 250 Volts

038932	†2176	Solid.....	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	50	25	.76
038933	2030	Slotted.....	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	50	25	.76

FOUR-POINT SWITCHES

Four-point switches are used in connection with two three-point switches where current is to be controlled from any one of more than two points. A four-point switch is installed between the three-point switches at each additional point.

Four-point switches can also be used individually as pole-changing switches.

5 Amperes, 125 Volts—2 Amperes, 250 Volts

038824	†2183	Solid.....	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	30	15	.86
038825	2033	Slotted.....	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	30	15	.86

*These switches can also be furnished on a base measuring 1 $\frac{3}{4}$ inches in diameter, which is likewise the diameter of the cover.

†These switches can also be furnished on a base measuring 2 $\frac{1}{4}$ inches in diameter, which is likewise the diameter of the cover.

Any of the above switches can be converted into a lock switch by removing the handle and substituting No. 2384 lock attachment.



No. 2000



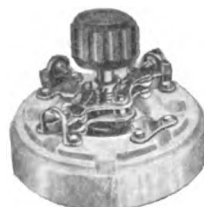
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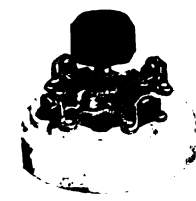
No. 2455



No. 2175



No. 2176



No. 2183

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS SWITCHES

NATIONAL ELECTRICAL CODE STANDARD
SCHEDULE H

DOUBLE-POLE SWITCHES

5 Amperes, 250 Volts

Trade No.	Mfrs. No.	Style	Outside Diam. Inches	Sup. Screws Centered Inches	Carton Pkg.	Std. Pkg.	Wt. Lbs.	Price Each
037169	†2391	Solid	2	1 $\frac{3}{8}$	10	100	30	\$0.56
037170	2392	Slotted	2	1 $\frac{3}{8}$	10	100	30	.56
037171	†2393	Solid, indicating	2	1 $\frac{3}{8}$	10	100	30	.64
037172	2394	Slotted, indicating	2	1 $\frac{3}{8}$	10	100	30	.64

10 Amperes, 250 Volts

037173	*2009	Solid	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	100	45	.66
037174	2017	Slotted	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	100	45	.66
037175	*2038	Solid, indicating	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	100	45	.76
037176	2050	Slotted, indicating	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	100	45	.76

20 Amperes, 250 Volts

037177	2011	Solid	3	2 $\frac{3}{8}$	10	30	25	1.40
037178	2019	Slotted	3	2 $\frac{3}{8}$	10	30	25	1.40
037179	2040	Solid, indicating	3	2 $\frac{3}{8}$	10	30	25	1.50
037180	2052	Slotted, indicating	3	2 $\frac{3}{8}$	10	30	25	1.50

30 Amperes, 250 Volts

037181	2013	Solid	3 $\frac{9}{16}$	2 $\frac{9}{16}$	1	30	30	1.70
037182	2021	Slotted	3 $\frac{9}{16}$	2 $\frac{9}{16}$	1	30	30	1.70
037183	2042	Solid, indicating	3 $\frac{9}{16}$	2 $\frac{9}{16}$	1	30	30	1.80
037184	2054	Slotted, indicating	3 $\frac{9}{16}$	2 $\frac{9}{16}$	1	30	30	1.80

50 Amperes, 250 Volts

037185	2015	Solid	4 $\frac{1}{2}$	3 $\frac{1}{4}$	1	10	15	3.00
037186	2023	Slotted	4 $\frac{1}{2}$	3 $\frac{1}{4}$	1	10	15	3.00
037187	2044	Solid, indicating	4 $\frac{1}{2}$	3 $\frac{1}{4}$	1	10	15	3.10
037188	2056	Slotted, indicating	4 $\frac{1}{2}$	3 $\frac{1}{4}$	1	10	15	3.10

DOUBLE-POLE, DOUBLE-THROW SWITCHES

10 Amperes, 250 Volts

105251	2611	Solid	2 $\frac{1}{8}$	2 $\frac{1}{8}$	10	10	7	2.40
105252	2612	Slotted	2 $\frac{1}{8}$	2 $\frac{1}{8}$	10	10	7	2.40
105253	2613	Solid, indicating	2 $\frac{1}{8}$	2 $\frac{1}{8}$	10	10	7	2.50
105254	2614	Slotted, indicating	2 $\frac{1}{8}$	2 $\frac{1}{8}$	10	10	7	2.50

TRIPLE-POLE SWITCHES

10 Amperes, 250 Volts

037189	2025	Solid	2 $\frac{1}{8}$	2 $\frac{1}{8}$	10	10	12	1.90
92495	2633	Slotted	2 $\frac{1}{8}$	2 $\frac{1}{8}$	10	10	12	1.90
037190	2046	Solid, indicating	2 $\frac{1}{8}$	2 $\frac{1}{8}$	10	10	12	2.00
92494	2634	Slotted, indicating	2 $\frac{1}{8}$	2 $\frac{1}{8}$	10	10	12	2.00

WITH CAST IRON COVER

20 Amperes, 250 Volts

These switches are particularly designed for use in controlling three-phase alternating current motors up to and including 2 horse power. The cast iron cover, which forms a part of the switch, is designed to be attached to Types PG and ZG condulets. The handle points to the words "On" and "Off," which are cast in the cover, thus making it an indicating switch. The switch is absolutely dust-tight, making it particularly suitable for use in textile mills.

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Pkg.	Price Each
105255	2597	With cast iron cover	1	10	\$4.00

†These switches can also be furnished on a base measuring 1 $\frac{3}{4}$ inches in diameter, which is likewise the diameter of the cover.

*These switches can also be furnished on a base measuring 2 $\frac{1}{4}$ inches in diameter, which is likewise the diameter of the cover.

All the above switches can be converted into lock switches by removing the handle and substituting No. 2384 lock attachment.



No. 2009



No. 2011



No. 2611



No. 2025



No. 2597

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

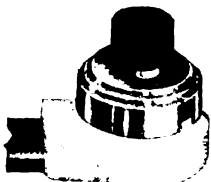
PERKINS SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H



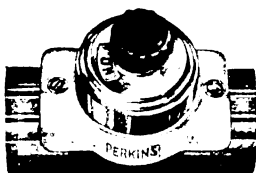
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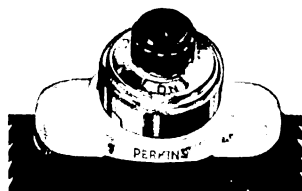
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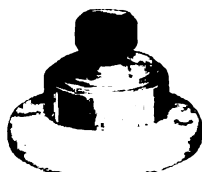
No. 2432



No. 2538



No. 2542



No. 2690

SWITCHES WITH COVERED BASE

Trade No.	Mfrs. No.	CAP., AMPS.		Description	Carton	Std. Wt., Lbs.		Price Each
		125 Volts	250 Volts			Pkg.	Sd. Pkg.	
044054	2429	5	3	Single-pole.....	10	100	30	\$0.36
044055	2430	5	3	Single-pole, ind....	10	100	30	.40
19814	2615	3	1	Three-point.....	10	100	35	.56
19815	2616	3	1	Four-point.....	10	50	18	.64
19816	2617	5	5	Double-pole.....	10	100	35	.64
19817	2618	5	5	Double-pole, ind....	10	100	35	.72

Standard finish is polished nickel or polished brass.

Outside diameter of base is $1\frac{5}{8}$ inches.

Holes for supporting screws are spaced $1\frac{3}{8}$ inches on centers.

SWITCHES WITH BASES FOR NATIONAL METAL MOLDING

Single Pole

038826	2431	5	3	One-way base.....	10	100	40	.36
038828	2433	5	3	One-way base, ind..	10	100	40	.40
038827	2432	5	3	Two-way base.....	10	100	40	.36
038829	2434	5	3	Two-way base, ind.	10	100	40	.40

Holes for supporting screws are spaced $1\frac{1}{4}$ inches on centers.

SWITCHES WITH BASE FOR WOOD MOLDING AND $\frac{1}{2}$ AND $\frac{3}{4}$ -INCH PIPE TAPLETS

19807	2537	5	3	Single-pole.....	10	100	45	.36
19808	2538	5	3	Single-pole, ind....	10	100	45	.40
19809	2543	5	3	Three-point.....	10	100	45	.66
19810	2539	5	5	Double-pole.....	10	100	45	.66
19811	2549	5	5	Double-pole, ind....	10	100	45	.76

Holes for supporting screws are spaced $2\frac{3}{8}$ inches on centers.

SWITCHES WITH BASE FOR $\frac{1}{2}$ -INCH OBOURND CONDULETS

19812	2541	5	3	Single-pole.....	10	100	45	.36
19813	2542	5	3	Single-pole, ind....	10	100	45	.40

Holes for supporting screws are spaced $1\frac{1}{2}$ inches on centers.

SWITCHES WITH BASE FOR No. 500 ADAPTIBOXES

121295	2690	5	3	Single-pole.....	10	100	..	.36
121296	2691	5	3	Single-pole, ind....	10	100	..	.40
121297	2692	10	5	Single-pole.....	10	50	..	.48
121298	2693	10	5	Single-pole, ind....	10	50	..	.54
121299	2694	10	5	Single-pole, pull...	10	20	..	1.00

Outside diameter of base is $2\frac{7}{8}$ inches.

Holes for supporting screws are spaced $2\frac{5}{8}$ inches on centers.

All the above switches can be converted into lock switches by removing the handle and substituting No. 2384 universal lock attachment.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

TWO-CIRCUIT ELECTROLIER SWITCHES

10 AMPERES, 125 VOLTS—5 AMPERES, 250 VOLTS

Operating 1-2-1 & 2-Off

Trade No.	Mfrs. No.	Style	Outside Diam. of Base Inches	Sup. Screws Cent. Inches	Carton	Std. Pkg.	Wt., Lbs.	Price Each
037161	*2216	Solid.....	2 7/8	1 1/2	10	30	15	\$0.76
037162	2215	Slotted.....	2 7/8	1 1/2	10	30	15	.76
037163	*2188	Solid, indicating.....	2 7/8	1 1/2	10	30	15	.86
037164	2074	Slotted, indicating.....	2 7/8	1 1/2	10	30	15	.86

Operating 1-1 & 2-1-Off

121238	*2649	Solid.....	2 7/8	1 1/2	10	30	15	.90
121239	2650	Slotted.....	2 7/8	1 1/2	10	30	15	.90
121240	*2651	Solid, indicating.....	2 7/8	1 1/2	10	30	15	1.00
121241	2652	Slotted, indicating.....	2 7/8	1 1/2	10	30	15	1.00

Operating 1-Off-2-Off

121242	*2653	Solid.....	2 7/8	1 1/2	10	30	15	.90
121243	2654	Slotted.....	2 7/8	1 1/2	10	30	15	.90
121244	*2655	Solid, indicating.....	2 7/8	1 1/2	10	30	15	1.00
121245	2656	Slotted, indicating.....	2 7/8	1 1/2	10	30	15	1.00

Operating 1-Off-1 & 2-Off

121246	*2657	Solid.....	2 7/8	1 1/2	10	30	15	.90
121247	2658	Slotted.....	2 7/8	1 1/2	10	30	15	.90
121248	*2659	Solid, indicating.....	2 7/8	1 1/2	10	30	15	1.00
121249	2660	Slotted, indicating.....	2 7/8	1 1/2	10	30	15	1.00

Operating 1-1 & 2-Off

121250	*2661	Solid.....	2 1/4	*	10	30	15	.90
121251	2662	Solid, indicating.....	2 1/4	*	10	30	15	1.00

*There are three supporting screw holes equally spaced on a circle having a diameter of 1 3/4 inches. These switches cannot be supplied on slotted bases.

TWO-CIRCUIT ELECTROLIER OR TWO-SPEED FAN MOTOR SWITCHES

10 AMPERES, 125 VOLTS—5 AMPERES, 250 VOLTS

Operating 1-2-Off

121252	2663	Solid.....	2 1/4	.....	10	30	15	.90
121253	2485	Solid, indicating.....	2 1/4	.....	10	30	15	1.00

There are three supporting screw holes equally spaced on a circle having a diameter of 1 3/4 inches. These switches cannot be supplied on slotted bases.

THREE-CIRCUIT ELECTROLIER SWITCHES

10 AMPERES, 125 VOLTS—5 AMPERES, 250 VOLTS

Operating 1-1 & 2-1 & 2 & 3-Off

037165	*2185	Solid.....	2 7/8	1 1/2	10	30	15	.90
037166	2070	Slotted.....	2 7/8	1 1/2	10	30	15	.90
037167	*2187	Solid, indicating.....	2 7/8	1 1/2	10	30	15	1.00
037168	2072	Slotted, indicating.....	2 7/8	1 1/2	10	30	15	1.00

THREE-CIRCUIT ELECTROLIER OR THREE-SPEED FAN MOTOR SWITCHES

10 AMPERES, 125 VOLTS—5 AMPERES, 250 VOLTS

Operating 1-2-3-Off

121254	*2664	Solid.....	2 7/8	1 1/2	10	30	15	.90
121255	2665	Slotted.....	2 7/8	1 1/2	10	30	15	.90
121256	*2666	Solid, indicating.....	2 7/8	1 1/2	10	30	15	1.00
121257	2667	Slotted, indicating.....	2 7/8	1 1/2	10	30	15	1.00

*These switches can also be furnished on a base measuring 1 3/4 inches in diameter which is likewise the diameter of the cover.

Any of the above switches can be converted into a lock switch by removing the handle and substituting No. 2384 lock attachment.



No. 2216



No. 2649



No. 2653,



No. 2657



No. 2663



No. 2185

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION

PERKINS SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

MULTIPLE HEATER SWITCHES, MICA INSULATED

Single-pole

OPERATING LOW, MEDIUM, HIGH, OFF

These switches are used in connection with a heater having two coils, one of which generates more heat than the other. The switch connects these coils as follows: 1st position, small coil; 2nd position, large coil; 3rd position, both coils in parallel; 4th position, both coils off.

15 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Outside Diam. Base Inches	Snp. Screws Centered Inches	Carton Pkg.	Std. Wt., Lbs.	Price Each
121269	*2668	Solid, indicating...	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	5	\$1 00
121270	2532	Slotted, indicating.	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	5	1.00

SERIES PARALLEL HEATER SWITCHES, MICA INSULATED

Single-pole

OPERATING HIGH, MEDIUM, LOW, OFF

These switches are for use in connection with a heater having two coils of equal capacity. The switch connects these coils as follows: 1st position, both coils in multiple; 2nd position, one coil only; 3rd position, two coils in series; 4th position, both coils off.

15 Amperes, 125 Volts—10 Amperes, 250 Volts

121271	*2669	Solid, indicating...	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	6	1.00
121272	2670	Slotted, indicating.	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	6	1.00

20 Amperes, 125 Volts—15 Amperes, 250 Volts

121273	2672	Solid, indicating...	3	2 $\frac{3}{8}$	10	8	1.65
121274	2673	Slotted, indicating.	3	2 $\frac{3}{8}$	10	7	1.65

30 Amperes, 125 Volts—20 Amperes, 250 Volts

121275	2675	Solid, indicating...	3 $\frac{9}{8}$	2 $\frac{9}{8}$	1	11	2.00
121276	2676	Slotted, indicating.	3 $\frac{9}{8}$	2 $\frac{9}{8}$	1	11	2.00

OPERATING LOW, MEDIUM, HIGH, OFF

These switches are for use in connection with a heater having two coils of equal capacity. The switch connects these coils as follows: 1st position, both coils in series; 2nd position, one coil only; 3rd position, two coils in multiple; 4th position, both coils off.

15 Amperes, 125 Volts—10 Amperes, 250 Volts

121277	*2570	Solid, indicating...	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	6	1.00
121278	2671	Slotted, indicating.	2 $\frac{7}{8}$	1 $\frac{3}{4}$	10	6	1.00

20 Amperes, 125 Volts—15 Amperes, 250 Volts

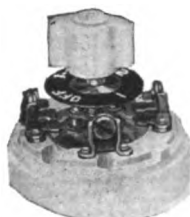
121279	2591	Solid, indicating...	3	2 $\frac{3}{8}$	10	8	1.65
121280	2674	Slotted, indicating.	3	2 $\frac{3}{8}$	10	8	1.65

30 Amperes, 125 Volts—20 Amperes, 250 Volts

121281	2571	Solid, indicating...	3 $\frac{9}{8}$	2 $\frac{9}{8}$	1	12	2.00
121282	2677	Slotted, indicating.	3 $\frac{9}{8}$	2 $\frac{9}{8}$	1	12	2.00

*This switch can also be furnished on a base measuring 2 $\frac{1}{4}$ inches in diameter, which is likewise the diameter of the cover.

Any of the above switches can be converted into a lock switch by removing the handle and substituting No. 2384 lock attachment.



No. 2668



No. 2669



No. 2672



No. 2570



No. 2571

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

The advantage of this construction is that the switch can be placed in locations from which the dial of the ordinary switch would not be visible.



No. 2619

ANGLE DIAL HEATER SWITCHES, MICA INSULATED

SINGLE-POLE

10 Amperes, 125 Volts—5 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Outside Diam. of Base Inches	Sup. Screws Centered Inches	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
123934	*2637	Solid	2 $\frac{1}{8}$	1 $\frac{3}{4}$	10	100	45	\$0.80
123935	2638	Slotted	2 $\frac{1}{8}$	1 $\frac{3}{4}$	10	100	45	.80

SERIES PARALLEL, SINGLE-POLE

OPERATING HIGH, MEDIUM, LOW, OFF

15 Amperes, 125 Volts—10 Amperes, 250 Volts

92496	*2619	Solid	2 $\frac{1}{8}$	1 $\frac{3}{4}$	10	100	45	1.00
92497	*2620	Slotted	2 $\frac{1}{8}$	1 $\frac{3}{4}$	10	100	45	1.00

20 Amperes, 125 Volts—15 Amperes, 250 Volts

123936	2679	Solid	3	2 $\frac{3}{8}$	10	50	75	1.65
123937	2680	Slotted	3	2 $\frac{3}{8}$	10	50	75	1.65

30 Amperes, 125 Volts—20 Amperes, 250 Volts

92498	2621	Solid	3 $\frac{9}{16}$	2 $\frac{9}{16}$	1	50	75	2.00
92499	2622	Slotted	3 $\frac{9}{16}$	2 $\frac{9}{16}$	1	50	75	2.00



No. 2621

INDICATING HANDLE HEATER SWITCHES, MICA INSULATED

In these switches the indication is obtained by means of a pointed handle which points to markings on the switch cover. Inasmuch as the pointed end of the handle can be distinguished at a greater distance than ordinary indications can be read and the distance which the handle moves with each change in the position of the switch is 90°, the operator very promptly is able to know the position of the switch at a glance.

SINGLE-POLE

10 Amperes, 125 Volts—5 Amperes, 250 Volts

123938	2695	Solid	2 $\frac{1}{8}$	1 $\frac{3}{4}$	10	100	..	.80
123939	2696	Slotted	2 $\frac{1}{8}$	1 $\frac{3}{4}$	10	100	..	.80

SERIES PARALLEL, SINGLE-POLE

OPERATING HIGH, MEDIUM, LOW, OFF

15 Amperes, 125 Volts—10 Amperes, 250 Volts

123940	*2635	Solid	2 $\frac{1}{8}$	1 $\frac{3}{4}$	10	100	45	1.00
123941	*2636	Slotted	2 $\frac{1}{8}$	1 $\frac{3}{4}$	10	100	45	1.00

SINGLE-POLE, COMPOSITION COVER AND BASE

10 Amperes, 125 Volts—5 Amperes, 250 Volts

123942	*2697	Solid	2 $\frac{1}{8}$	1 $\frac{3}{4}$	10	100	..	.80
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SERIES PARALLEL, SINGLE-POLE, COMPOSITION COVER AND BASE

OPERATING HIGH, MEDIUM, LOW, OFF

15 Amperes, 125 Volts—10 Amperes, 250 Volts

123943	*2681	Solid	2 $\frac{1}{8}$	1 $\frac{3}{4}$	10	100	..	1.00
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20 Amperes, 125 Volts—15 Amperes, 250 Volts

123944	2682	Solid	3	2 $\frac{3}{8}$	10	50	..	1.65
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30 Amperes, 125 Volts—20 Amperes, 250 Volts

123945	2683	Solid	3 $\frac{9}{16}$	2 $\frac{9}{16}$	1	50	..	2.00
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*These switches can be supplied on a base measuring 2 $\frac{1}{4}$ inches in diameter, which is likewise the diameter of the cover.



No. 2681

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS SWITCHES

NATIONAL ELECTRICAL CODE STANDARD
SCHEDULE H

PORCELAIN CAP SWITCHES, SMALL SIZE

Single-pole, 5 Amperes, 125 Volts—3 Amperes, 250 Volts



No. 2601

Trade No.	Mfrs. No.	Style	Outside Diam. of Base Inches	Sup. Screws Centered Inches	Car-ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
92364	2601	Solid.....	2	1 $\frac{3}{8}$	10	30	12	\$0.32
92365	2602	Slotted.....	2	1 $\frac{3}{8}$	10	30	12	.32
92366	2603	Solid, indicating..	2	1 $\frac{3}{8}$	10	30	12	.36
92367	2604	Slotted, indicating	2	1 $\frac{3}{8}$	10	30	12	.36

Double-pole, 5 Amperes, 125 Volts—5 Amperes, 250 Volts

92368	2607	Solid.....	2	1 $\frac{3}{8}$	10	10	5	.52
92369	2608	Slotted.....	2	1 $\frac{3}{8}$	10	10	5	.52
92370	2609	Solid, indicating..	2	1 $\frac{3}{8}$	10	10	5	.60
92371	2610	Slotted, indicating	2	1 $\frac{3}{8}$	10	10	5	.60

Three-point, 5 Amperes, 125 Volts—3 Amperes, 250 Volts

92372	2605	Solid.....	2	1 $\frac{3}{8}$	10	10	5	.52
92373	2606	Slotted.....	2	1 $\frac{3}{8}$	10	10	5	.52

PORCELAIN CAP SWITCHES, LARGE SIZE

These switches can also be supplied to make the same connections as Nos. 2649, 2653, 2657, 2661, 2664, 2668, 2669 and 2570 listed on other pages.



No. 2141

Single-pole, 10 Amperes, 125 Volts—5 Amperes, 250 Volts

037194	2141	Solid.....	2 $\frac{1}{2}$	1 $\frac{3}{4}$	10	30	15	.64
044048	2435	Indicating.....	2 $\frac{1}{2}$	1 $\frac{3}{4}$	10	30	15	.74

Double-pole, 10 Amperes, 250 Volts

037199	2139	Solid.....	2 $\frac{1}{2}$	1 $\frac{3}{4}$	10	10	9	.82
044051	2438	Indicating.....	2 $\frac{1}{2}$	1 $\frac{3}{4}$	10	10	9	.92

Three-point, 10 Amperes, 125 Volts—5 Amperes, 250 Volts

037195	2140	Solid.....	2 $\frac{1}{2}$	1 $\frac{3}{4}$	10	10	9	.92
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Four-point, 5 Amperes, 125 Volts—5 Amperes, 250 Volts

037196	2142	Solid.....	2 $\frac{1}{2}$	1 $\frac{3}{4}$	10	10	9	1.02
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Two-circuit Electroliner

10 Amperes, 125 Volts—5 Amperes, 250 Volts

037197	2264	Solid.....	2 $\frac{1}{2}$	1 $\frac{3}{4}$	10	10	9	.96
044049	2436	Indicating.....	2 $\frac{1}{2}$	1 $\frac{3}{4}$	10	10	9	1.06

Three-circuit Electroliner

10 Amperes, 125 Volts—5 Amperes, 250 Volts

037198	2263	Solid.....	2 $\frac{1}{2}$	1 $\frac{3}{4}$	10	10	9	1.06
044050	2437	Indicating.....	2 $\frac{1}{2}$	1 $\frac{3}{4}$	10	10	9	1.16

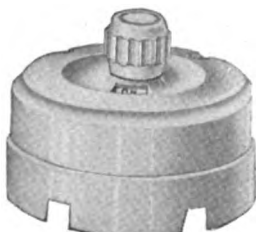
The above switches cannot be furnished on slotted base.

Double-pole, Fusible, 10 Amperes, 125 Volts—10 Amperes, 250 Volts

037200	2076	*Fusible, indicating	3 $\frac{1}{2}$	1 $\frac{5}{8}$	1	10	15	1.60
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This switch cannot be furnished on solid base.

*Not National Electrical Code Standard.



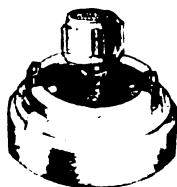
No. 2076

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS 600-VOLT SWITCHES

NATIONAL ELECTRICAL CODE STANDARD
SCHEDULE H

3 AMPERES, SINGLE-POLE



No. 2171

Trade No.	Mfrs. No.	Description	Sup. Screws Centered, In.	Car-ton	Std. P'kg.	Wt., Lbs. Std. P'kg.	Price Each
043925	2171	Solid.....	1½	10	50	25	\$0.54
043926	2003	Slotted.....	1½	10	50	25	.54
043927	2226	Solid, indicating...	1½	10	50	25	.60
043928	2225	Slotted, indicating.	1½	10	50	25	.60

Outside diameter of base is 2¼ inches.

5 AMPERES, SINGLE-POLE

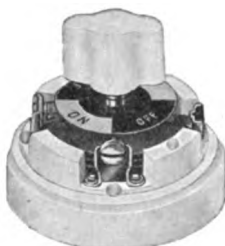


No. 2049

043929	2211	Solid.....	1¾	10	50	25	.66
043930	2212	Slotted.....	1¾	10	50	25	.66
043931	2049	Solid, indicating...	1¾	10	50	25	.76
043932	2103	Slotted, indicating.	1¾	10	50	25	.76

Outside diameter of base is 2¾ inches.

10 AMPERES, SINGLE-POLE

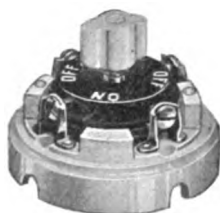


No. 2060

043933	2227	Solid.....	2¾	10	50	45	1.60
043934	2228	Slotted.....	2¾	10	50	45	1.60
043935	2060	Solid, indicating...	2¾	10	50	45	1.70
043936	2066	Slotted, indicating.	2¾	10	50	45	1.70

Outside diameter of base is 3 inches.

20 AMPERES, SINGLE-POLE

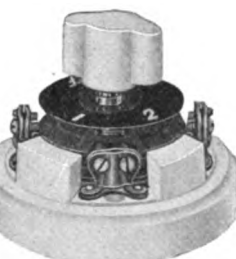


No. 2448

043937	2301	Solid.....	2¾	1	50	70	1.90
043938	2302	Slotted.....	2¾	1	50	70	1.90
043939	2303	Solid, indicating...	2¾	1	50	70	2.00
043940	2304	Slotted, indicating.	2¾	1	50	70	2.00

Outside diameter of base is 3¾ inches.

10 AMPERES, DOUBLE-POLE



No. 2079

043958	2445	Solid.....	2¾	10	50	45	1.80
043959	2446	Slotted.....	2¾	10	50	45	1.80
043960	2447	Solid, indicating...	2¾	10	50	45	1.90
043961	2448	Slotted, indicating.	2¾	10	50	45	1.90

Outside diameter of base is 3 inches.

15 AMPERES, HEAT REGULATING

043980	2079	Solid, ind., 3-heat.	2¾	1	10	30	3.10
043981	2081	Solid, ind., 2-heat.	2¾	1	10	30	3.10

Outside diameter of base is 3¾ inches.

All of the above switches can be converted into lock switches by removing the handle and substituting No. 2384 universal lock attachment.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS 600-VOLT SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

THREE-POINT—3 AMPERES

Trade No.	Mfrs. No.	Description	Sup. Screws Centered, In.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each
043962	2232	Solid	1 1/2	50	25	\$0.70
043963	2231	Slotted	1 1/2	50	25	.70

Outside diameter of base is 2 1/4 inches.

THREE-POINT—5 AMPERES

043964	2179	Solid	1 1/2	50	25	.90
043965	2100	Slotted	1 1/2	50	25	.90
043966	2413	Solid, indicating	1 1/2	50	25	1.00
043967	2414	Slotted, indicating	1 1/2	50	25	1.00

Outside diameter of base is 2 1/2 inches.

THREE-POINT—10 AMPERES

043968	2397	Solid	2 3/8	50	45	1.70
043969	2398	Slotted	2 3/8	50	45	1.70
043970	2415	Solid, indicating	2 3/8	50	45	1.80
043971	2416	Slotted, indicating	2 3/8	50	45	1.80

Outside diameter of base is 3 inches.

TWO-CIRCUIT—3 AMPERES

These switches will break the circuit without the use of an additional switch, and are especially adapted for use on street cars as headlight switches, and to control the interior lights.

043972	2181	Solid	1 1/2	50	25	.76
043973	2028	Slotted	1 1/2	50	25	.76
043974	2062	Solid, indicating	1 1/2	50	25	.86
043975	2068	Slotted, indicating	1 1/2	50	25	.86

Outside diameter of base is 2 1/2 inches.

TWO-CIRCUIT—10 AMPERES

043976	2409	Solid	2 3/8	50	45	1.70
043977	2410	Slotted	2 3/8	50	45	1.70
043978	2411	Solid, indicating	2 3/8	50	45	1.80
043979	2412	Slotted, indicating	2 3/8	50	45	1.80

Outside diameter of base is 3 inches.

The above switches can be converted into lock switches by removing the handle and substituting No. 2384 universal lock attachment.

PORCELAIN CAP SWITCHES

Not Indicating

043941	2265	3 amperes, single-pole	1 1/2	10	9	.72
043942	2267	5 amperes, single-pole	1 1/2	10	9	.82
043943	2268	3 amperes, three-point	1 1/2	10	9	.82
043944	2272	5 amperes, three-point	1 1/2	10	9	1.06
043945	2273	3 amperes, two-circuit	1 1/2	10	9	.92

Indicating

043982	2449	3 amperes, single-pole	1 1/2	10	9	.82
043983	2450	5 amperes, single-pole	1 1/2	10	9	.92
043984	2451	3 amperes, three-point	1 1/2	10	9	.92
043985	2452	5 amperes, three-point	1 1/2	10	9	1.16
043986	2453	3 amperes, two circuit	1 1/2	10	9	1.02

Above switches cannot be supplied on slotted bases. Outside diameter of base, 2 1/2 inches.

Fusible

043987	†2077	3 amperes, S. P., indicating	1 5/8	10	15	1.60
043988	†2277	3 amperes, S. P., indicating, brown porcelain	1 5/8	10	15	1.60
043989	†2078	3 amperes, two-circuit	1 5/8	10	15	1.60
043990	†2278	3 amperes, two-circuit, brown porcelain	1 5/8	10	15	1.60

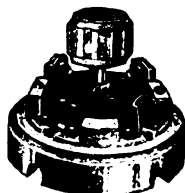
Brown Porcelain Cap and Base Connections for Enclosed Fuse

043991	2315	3 amps., single, indicating	25	18	7	1.50
043992	2404	3 amps., three-point, indicating	25	18	7	1.50
043993	2405	3 amps., two-circuit, indicating	25	18	7	1.50
043994	2316	3-amp. enclosed fuse for above Schedule E	100	7		.30

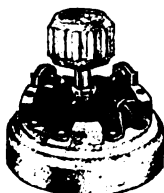
One No. 2316 fuse is furnished with each switch, but is not included in price.

*Carton quantity on all the above switches is 10, except fusible porcelain cap switches and switches with brown porcelain cap, on which the carton quantity is 1, and No. 2316, which is 25.

†Not National Electrical Code Standard.



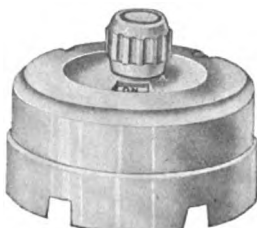
No. 2100



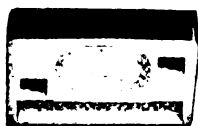
No. 2181



No. 2265



No. 2077



No. 2315

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

PUSH BUTTON PANEL BOARD SWITCHES

250 Volts

These switches are designed to be mounted directly on the bus bars of standard panel boards. Machine screws pass through the flexible self-adjusting contacts of the switch into tapped holes in the bus bars. These same screws carry the current. Each switch is fitted with a card holder designed to receive a card bearing the name of the circuit controlled.



No. 2646

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Price Each
87536	2645	10-ampere, double-pole switch.....	10	50	\$1.15
87537	2646	20-ampere, double-pole switch.....	10	50	1.65
87538	2647	10-ampere, double-pole lock switch..	10	50	1.65
87539	2648	20-ampere, double-pole lock switch..	10	50	2.15

One No. 2299 key is furnished with each lock switch.

ROTARY PANEL BOARD SWITCHES

10 Amperes, 250 Volts

This switch is mounted in the same manner as described above.
19818 2596 Double-pole indicating switch..... 10 50 1.00

This switch can be converted into a lock switch by removing the handle and substituting No. 2384 lock attachment.



No. 2596

PERKINS AUTOMATIC DOOR SWITCHES

Single-pole—6 Amperes, 125 Volts; 3 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs.	Price Each
044011	2355	Circuit closed when door is open	1	25	15	\$2.25
044012	2356	Circuit closed when door is closed	1	10	6	2.25

Plate measures $4\frac{5}{8} \times 1\frac{1}{4}$ inches and the holes for supporting screws are spaced $3\frac{3}{4}$ inches on centers. The porcelain body is $3\frac{3}{8}$ inches long by 1 inch wide.



No. 2355

COMBINATION WOOD MATS

For push button and rectangular cup flush switches and flush receptacles. May be used with or without outlet boxes.

Quartered Oak, Varnished and Rubbed

Trade No.	Mfrs. No.	No. of Switches	Carton	Std. Pkg.	Wt., Lbs.	Price Each
037219	2361	1	10	*	30	\$0.30
037220	2362	2	5	*	35	.50
037221	2363	3	5	*	40	.70
037222	2364	4	1	*	50	.90
037223	2365	5	1	*	60	1.10
037224	2366	6	1	*	70	1.30
037225	2367	7	1	*	80	1.50
037226	2368	8	1	*	90	1.70

Whitewood, Unfinished

Trade No.	Mfrs. No.	No. of Switches	Carton	Std. Pkg.	Wt., Lbs.	Price Each
037227	2371	1	10	*	30	.30
037228	2372	2	5	*	35	.50
037229	2373	3	5	*	40	.70
037230	2374	4	1	*	50	.90
037231	2375	5	1	*	60	1.10
037232	2376	6	1	*	70	1.30
037233	2377	7	1	*	80	1.50
037234	2378	8	1	*	90	1.70

*A standard package quantity of wood mats consists of a sufficient number, assorted from all those listed, to accommodate 100 switches.



No. 2361

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SWITCH ACCESSORIES

SCHEDULE H

SWITCH HANDLES

Trade No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
121346	Rotary switch handle, composition or porcelain...	100	100	....	\$0.06
121347	Rotary switch handle, metal.....	100	100	....	.12

An allowance of 2 cents is made when switches are furnished without handles.
For switches with metal handles add 6 cents.

Non-Removable Handles

Rotary switches can be furnished with handles that cannot be removed without the use of a special tool. The switch is operated in the usual manner. The handle is free to turn in the reverse direction but does not unscrew. Switches will be supplied with these handles at an additional list price of 15 cents. The price of the tool required to remove the handles is 25 cents.

LOCK ATTACHMENT



No. 2126



No. 2384

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
037213	2126	Key for rotary lock switches.....	100	100	2	\$0.06
037215	2299	Key for push button lock switches....	100	100	2	.15
037216	2384	Universal lock attachment.....	100	100	4	.16

By substituting this lock attachment for the regular handle on any Bryant or Perkins Rotary Switch, either surface or flush, lock switches may be obtained. By using this lock attachment, special plates are no longer required for lock flush switches.

SWITCH COVERS

Trade No.	Description	Std. Pkg.	Price Each
121348	Cover for 10-ampere, 250-volt D. P. switches or smaller.....	50	\$0.08
121349	Cover for switches larger than 10 amperes, 250 volts.....	50	.20

When switches are furnished without such covers an allowance of 3 cents is made.

When switches are furnished without such covers an allowance of 8 cents is made.

SPECIAL FINISHES ON SURFACE SWITCHES

The standard finish on all surface switches, unless otherwise noted, is polished nickel, which will be supplied on all orders where no finish is specified. For switches in any other finish add 10 cents to the list price.

DUSTPROOF INDICATING SWITCHES

Indicating snap switches can be supplied with a mica disc in the indicator opening to exclude dust at an additional list of 10 cents.

SPECIAL SWITCHES

The design of the Perkins Switch lends itself admirably to the construction of switches of special types. The manufacture of switches for gas engines, fan motors, portable lamps, electric heaters, portable drills, as well as special lighting switches for effecting combinations of lamps different from the switches listed herein, has been most successful.

PORCELAIN SWITCH BLOCKS

For Wall Sockets, Receptacle and 5-ampere Switches

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
037202	2381	For surface work.....	10	100	30	\$0.05
037203	2382	For concealed work.....	10	100	28	.05
037204	2383	For molding work.....	10	100	25	.05
037205	2439	For molding terminal.....	10	100	30	.05



No. 2357

For 10-ampere Switches

037206	2357	For surface work.....	10	100	45	.06
037207	2252	For concealed work.....	10	100	40	.06
037208	2222	For molding work.....	10	100	40	.06
037212	2358	For molding terminal.....	10	100	45	.06



No. 2358

For 20 and 30-ampere Switches

037209	2379	For surface work.....	5	25	22	.15
037210	2380	For concealed work.....	5	25	24	.15
037211	2262	For molding work.....	5	25	24	.15

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS SWITCHES

SCHEDULE H

PUSH BUTTON SWITCHES FOR AUTOMOBILES AND BATTERY CIRCUITS



No. 2441

Style A with Flush Plate, Single-pole

Trade No.	Mfrs. No.	Style	Size Inches	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
121311	2441	Single	2 $\frac{3}{8}$ x $\frac{1}{8}$	10	100*	20	\$0.50
121312	2442	2-gang	2 $\frac{3}{8}$ x1 $\frac{3}{4}$	5	50*	20	1.00
121313	2443	3-gang	2 $\frac{3}{8}$ x2 $\frac{1}{2}$	1	30*	15	1.50
121314	2444	4-gang	2 $\frac{3}{8}$ x3 $\frac{1}{4}$	1	25*	20	2.00

Style B with Flush Plate, Single-pole

121315	2551	Single	2 $\frac{1}{8}$ x1	10	100†	20	.65
121316	2552	2-gang	2 $\frac{1}{8}$ x1 $\frac{1}{4}$	5	50†	20	1.30
121317	2553	3-gang	2 $\frac{1}{8}$ x2 $\frac{1}{4}$	1	30†	15	1.95
121318	2554	4-gang	2 $\frac{1}{8}$ x3 $\frac{1}{4}$	1	25†	20	2.60

Style B with Flush Plate, Three-point

121319	2575	Single	2 $\frac{1}{8}$ x1	10	100†	20	.75
121320	2576	2-gang	2 $\frac{1}{8}$ x1 $\frac{1}{4}$	5	50†	20	1.50
121321	2577	3-gang	2 $\frac{1}{8}$ x2 $\frac{1}{4}$	1	30†	15	2.25
121322	2578	4-gang	2 $\frac{1}{8}$ x3 $\frac{1}{4}$	1	25†	20	3.00

With Sunken Plate and Flush Buttons, Single-pole

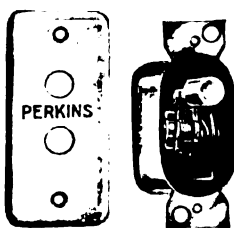
121323	2488	Single	2 $\frac{1}{8}$ x1	10	100†	20	.75
121324	2516	2-gang	2 $\frac{1}{8}$ x1 $\frac{1}{4}$	5	50†	20	1.50
121325	2517	3-gang	2 $\frac{1}{8}$ x2 $\frac{1}{4}$	1	30†	15	2.25
121326	2518	4-gang	2 $\frac{1}{8}$ x3 $\frac{1}{4}$	1	25†	20	3.00

With Sunken Plate and Flush Buttons, Three-point

121327	2583	Single	2 $\frac{1}{8}$ x1	10	100†	20	.85
121328	2584	2-gang	2 $\frac{1}{8}$ x1 $\frac{1}{4}$	5	50†	20	1.70
121329	2585	3-gang	2 $\frac{1}{8}$ x2 $\frac{1}{4}$	1	30†	15	2.55
121330	2586	4-gang	2 $\frac{1}{8}$ x3 $\frac{1}{4}$	1	25†	20	3.40

When mounted in gangs, switches Nos. 2441-2444 are spaced $\frac{3}{4}$ inch on centers. All others are spaced $\frac{1}{4}$ inch on centers.

Standard finish is polished nickel or polished brass.



No. 2551



No. 2488



No. 2463

ROTARY SURFACE SWITCHES FOR AUTOMOBILES

Trade No.	Mfrs. No.	Description	Outside Diam. Inches	Sup. Screws Centered Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
121331	2463	Indicating	1 $\frac{5}{8}$	1 $\frac{3}{8}$	10 100	35	\$0.80

This switch operates as follows: First turn, rear and side lights; second turn, rear and head lights; third turn, rear, side and head lights; fourth turn, all off.

Cover entirely conceals porcelain base.

Standard finish is polished nickel or polished brass.

DASHBOARD SWITCHES

121332	2593	Dashboard switch	2 $\frac{5}{8}$	2 $\frac{7}{8}$	1 10	15	2.00
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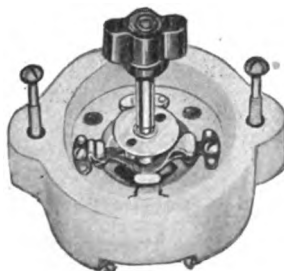
This switch operates as follows: First turn, side and rear lights; second turn, head and rear lights; third turn, head, side and rear lights; fourth turn, all off.

121333	2594	Dashboard switch	2 $\frac{5}{8}$	2 $\frac{7}{8}$	1 10	15	2.00
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This switch operates as follows: First turn, rear lights; second turn, rear and side lights; third turn, rear, side and head lights; fourth turn, all off.

*The equivalent of 200 switches, assorted single and gang, is also a standard package.

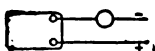
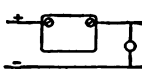
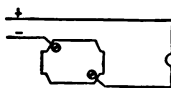
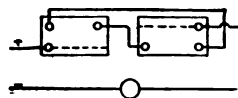
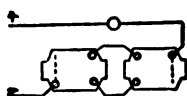
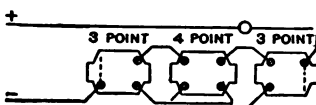
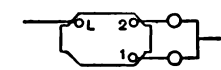
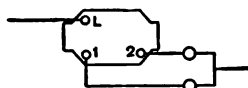
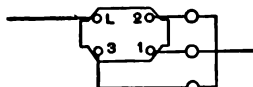
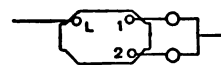
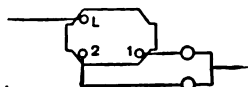
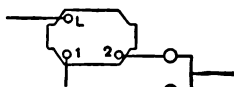
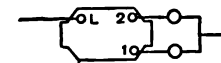
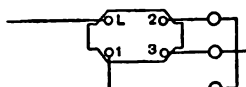
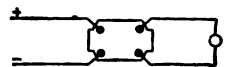
†The equivalent of 100 switches, assorted single and gang, is also a standard package.



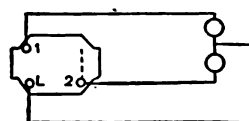
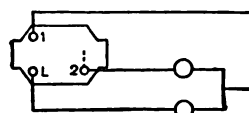
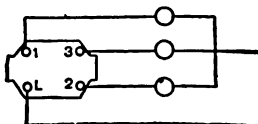
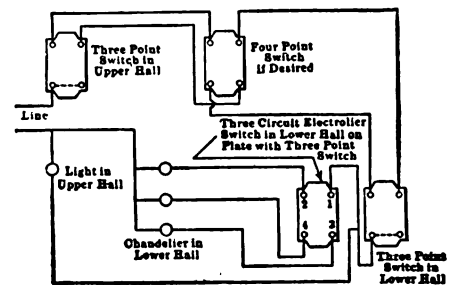
No. 2593

BRYANT WIRING DIAGRAMS

WIRING DIAGRAMS FOR FLUSH SWITCHES

For Single-pole
Capax SwitchesFor Other Single-pole
Push Button SwitchesFor Single-pole Type O
and Rotary SwitchesFor Three-point
Capax SwitchesFor Other Three-
point SwitchesFor Three and Four-
point Switches2-circuit Electroliner
Connections 1, 2, 1 & 2, Off2-circuit Electroliner
Connections: 1, 1 & 2, 1, Off3-circuit Electroliner
Connections: 1, 1 & 2, 1 & 2 & 3, Off2-circuit Electroliner
Connections: 1, Off, 2, Off2-circuit Electroliner
Connections: 1, Off, 1 & 2, Off2-circuit Electroliner
Connections: 1, 1 & 2, Off2-speed Fan Motor
Connections: 1, 2, Off3-speed Fan Motor
Connections: 1, 2, 3, Off

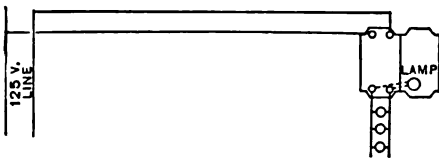
For Double-pole Switches

For Duplex Type O
No. 2639 SwitchesDuplex Type O Cat. 2639
Connected as Two
Single-pole SwitchesFor Duplex type O
No. 2640 SwitchesElectroliner Operation of Lights that are Controlled
from Two or more Points

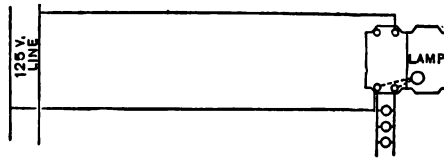
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT WIRING DIAGRAMS

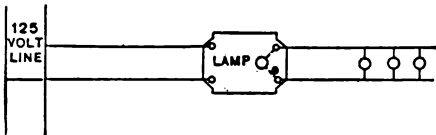
WIRING DIAGRAMS FOR FLUSH SWITCHES



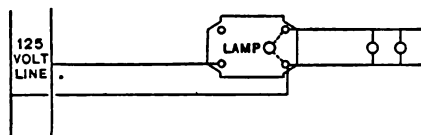
No. 413 Double-Pole
Ready Wired Bull's Eye Combination



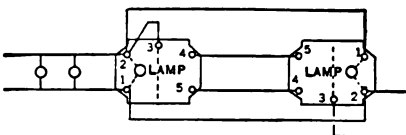
No. 413 Ready Wired Bull's Eye
Combination, Wired Single Pole



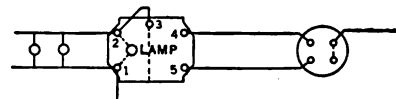
No. 465 Double Pole Type O Push Switch or
No. 469 Double Pole Rotary Flus
Switch, Lock Type



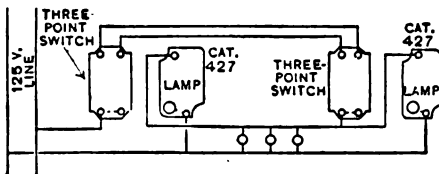
No. 465 or 469, Wired Single Pole



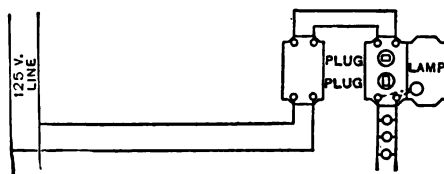
Two No. 495 Three-point Type O
Push Switches



One No. 495 Three-point Type O Push Switch
and One Regular Three-point Switch

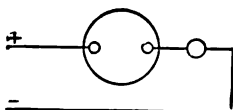


Wiring Diagram to make Three-point
Switches Indicating. The Lamps in Both Bull's
Eye Receptacles are Lighted
Whenever the Circuit is Closed

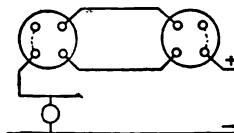


No. 419 Ready Wired Bull's Eye
Combination Controlled by Double-pole Switch

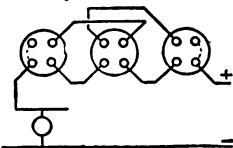
WIRING DIAGRAMS FOR SURFACE SWITCHES



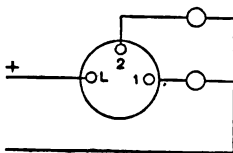
For Single-pole Switch



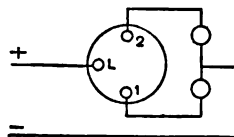
For Three-point Switch



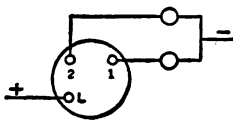
For Three and Four-point Switch



2 Circuit Electroliner
Connections, 1, 2, 1 and 2, Off



2 Circuit Electroliner
Connections, 1, Off, 2, Off
1, 1 and 2, 1, Off

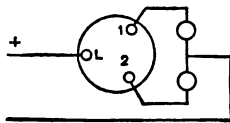


2 Circuit Electroliner
Connections, 1, Off, 1 and 2, Off

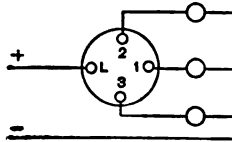
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT WIRING DIAGRAMS

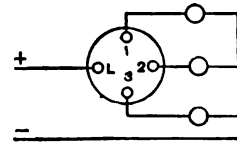
WIRING DIAGRAMS FOR SURFACE SWITCHES



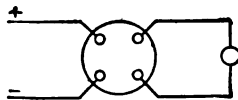
Electroliner and 2 Speed
Fan Motor, Connections
1, 1 and 2, Off. 1, 2, Off



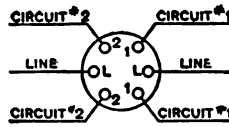
3 Circuit Electroliner
Connections
1, 1 and 2. 1 and 2 and 3, Off



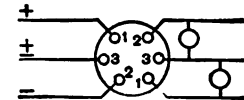
Electroliner and 3 Speed
Fan Motor, Connections
1, 2, 3, Off



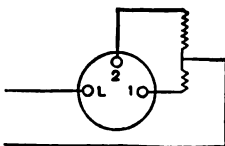
For Double-pole Switches



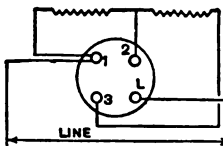
For Double-pole
Double-throw Switches



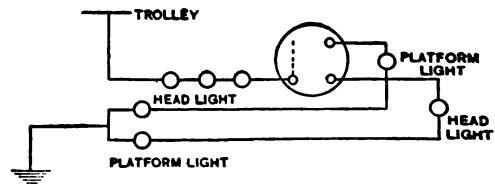
For Triple-pole Switches



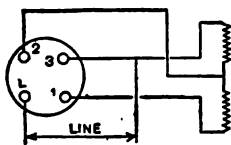
For Multiple Heater
Switches. Operates
Low, Medium, High, Off



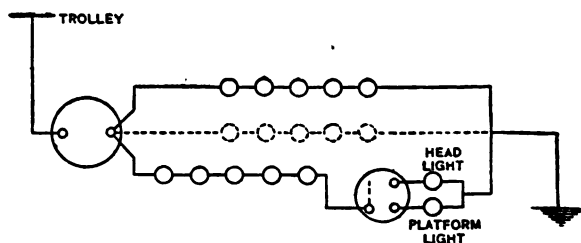
For Heater Switches
Operates
High, Medium, Low, Off



2 Circuit 600 Volt Switch



For Heater Switches
Operates
Low, Medium, High, Off



3 Five-lamp Circuits Controlled by one Single-pole
600 Volt Switch with Transfer Switch
in One Circuit

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



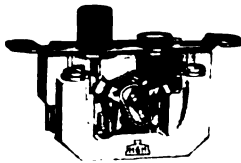
H & H PUSH BUTTON FLUSH SWITCHES WITHOUT PLATES



NATIONAL ELECTRICAL CODE STANDARD

NUTMEG SWITCHES

These switches have been designed to supply the demand for a lower priced H & H switch for use in installations where price is a prime factor. Although lower priced, they are good switches which will give long service.



No. 4401

Single-pole—10 Amperes, 125 Volts; 5 Amperes, 250 Volts				
Trade No.	Mfrs. No.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
68576	4401	100	48	\$0.31
Three-way—10 Amperes, 125 Volts; 5 Amperes, 250 Volts				
68577	4403	50	29'	.42

GENUINE H & H SWITCHES

H & H Standard Type

Single-pole—10 Amperes, 125 Volts; 5 Amperes, 250 Volts				
038569	2081	100	52	.45
Double-pole—10 Amperes, 125 Volts; 10 Amperes, 250 Volts				
038570	2082	50	29	.70
Three-way—10 Amperes, 125 Volts; 5 Amperes, 250 Volts				
038571	2083	50	29	.70
Four-way—10 Amperes, 125 Volts; 5 Amperes, 250 Volts				
038572	2084	10	9	2.00

H & H Lock Type

Single-pole—10 Amperes, 125 Volts; 5 Amperes, 250 Volts				
038577	2081L	100	52	1.06
Double-pole—10 Amperes, 125 Volts; 10 Amperes, 250 Volts				
038578	2082L	50	29	1.30
Three-way—10 Amperes, 125 Volts; 5 Amperes, 250 Volts				
038579	2083L	50	29	1.30
Four-way—10 Amperes, 125 Volts; 5 Amperes, 250 Volts				
038580	2084L	10	8	2.50
Key for Lock Push Button Switch				
038581	5003	100	2	.15

H & H ELECTROLIER SWITCHES

10 Amperes, 125 Volts; 5 Amperes, 250 Volts

These switches are used with standard switch plates so that uniformity is secured throughout the installation as well as convenience and economy in furnishing the plates.

The indicating types have a pearl button to indicate "on." This feature is very desirable for the most satisfactory use of electrolier switches.

Plain, non-indicating types have both buttons black.

Operation: One, off. One and two, off. One and two and three, off.



No. 2083L

No. 2967 with
No. 4077 Plate

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
68569	2967	Indicating	10	8	\$1.15
68578	3511	Plain	10	8	1.06
Operation: One, off. One and two, off.					
68571	2968	Indicating	10	8	1.15
68579	3511	Plain	10	8	1.06
Operation: One, off. Two, off. One and two, off.					
68574	3264	Indicating	10	8	1.15
68580	3513	Plain	10	8	1.06

MOMENTARY CONTACT SWITCHES

For Use with Remote Control Switches

The mechanism is arranged so that a quick make and break are made by pressing and releasing the buttons. Each button controls a circuit. Both buttons cannot be pushed at the same time.

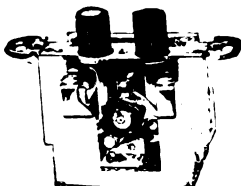
038588	2061	10	15	3.10
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No. 2363 is a smaller switch that does not have the same quickness of snap or length of break as the No. 2061. It can be used on battery circuits of low potential in the same manner as No. 2061 and also on lighting circuits, provided it only has to make the circuit and not to break it.

68573	2363	10	9	1.50
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Outside supporting screw holes on all the above switches are spaced $3\frac{1}{2}$ inches on centers; inside holes, $2\frac{3}{8}$ inches.

Depth of all above switches, without plates, $1\frac{1}{4}$ inches, except No. 2061, which is $2\frac{1}{8}$ inches, and No. 2363, which is $1\frac{1}{2}$ inches.



No. 2061

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



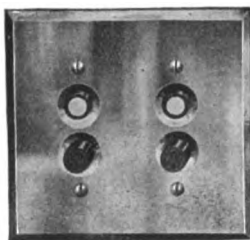
PLATES FOR H & H PUSH BUTTON FLUSH SWITCHES



No. 4077



No. 4081



No. 4052



No. 4072

STRUCK UP PLATES

Brass Plates, .040-inch Metal

Trade No.	Mfrs. No.	No. of Switches	Dimensions Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
038589	4077	1	4 1/2 x 2 3/4	*	23	\$0.14
038590	4078	2	4 1/2 x 4 9/16	*	20	.28
038591	4079	3	4 1/2 x 6 3/8	*	19	.42

Brass Plates, Round Corners and Edges, .040-inch Metal

064342	4081	1	4 1/2 x 2 3/4	*	23	.14
064343	4082	2	4 1/2 x 4 9/16	*	20	.28
064344	4083	3	4 1/2 x 6 3/8	*	19	.42

Above plates have re-enforced beveled edges to make them strong. The screw holes are deeply countersunk to rest upon the frame of the switch so the plate will not dip under the pressure of the screws.

Plates Bushed for Telephone Wires, .040-inch Metal

56750	3144	1 hole	4 1/2 x 2 3/4	*	24	.23
56751	3244	2 holes	4 1/2 x 2 3/4	*	23	.24

Blank Plates, .040-inch Metal

56752	4068	1	4 1/2 x 2 3/4	*	24	.22
56753	4084	2	4 1/2 x 2 9/16	*	21	.44
56754	4085	3	4 1/2 x 6 3/8	*	20	.66

Brass Plates, .060-inch Metal

038592	2301	1	4 1/2 x 2 3/4	*	32	.35
038593	2302	2	4 1/2 x 4 9/16	*	25	.70

Above plates are as strong and rigid as solid plates and have the advantage of a hollowed back.

SOLID PLATES

Made of Hard Rolled Brass 1/4 Inch Thick

038594	4051	1	4 1/2 x 2 3/4	*	40	.50
038595	4052	2	4 1/2 x 4 9/16	*	35	1.00
038596	4053	3	4 1/2 x 6 3/8	*	35	1.50
038597	4054	4	4 1/2 x 8 3/8	*	35	2.00
038598	4055	5	4 1/2 x 10	*	35	3.00
038599	4056	6	4 1/2 x 11 3/8	*	35	3.60
038600	4057	7	4 1/2 x 13 5/8	*	35	4.20
038601	4058	8	4 1/2 x 15 1/8	*	35	4.80

Small Plates

038602	4041	1	4 x 2 1/4	*	30	.50
038603	4042	2	4 x 4 1/8	*	28	1.00
038604	4043	3	4 x 5 5/8	*	28	1.50
038605	4044	4	4 x 7 3/4	*	28	2.00
038606	4045	5	4 x 9 9/16	*	28	3.00
038607	4046	6	4 x 11 3/8	*	28	3.60
038608	4047	7	4 x 13 3/8	*	28	4.20
038609	4048	8	4 x 15	*	28	4.80

Small plates can be used with wall cases only when ears are reversed. Also adapted for use with iron conduit boxes and iron frames.

Tandem Plates

038610	4072	2	8 1/4 x 2 3/4	*	35	1.20
038611	4073	3	11 3/4 x 2 3/4	*	35	1.80
038612	4074	4	15 3/8 x 2 3/4	*	35	2.40
038613	4075	5	19 x 2 3/4	*	35	3.00
038614	4076	6	22 5/8 x 2 3/4	*	35	3.60

On tandem plates, switches are spaced 3 3/8 inches on centers. Tandem plates fit standard wall cases.

*100 single plates or the equivalent in gangs is a standard package.

These prices apply only to plates finished in old or brush brass. All other finishes take an extra list of 10 cents, except gold and silver, which are special.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

H & H ROTARY FLUSH SWITCHES



No. 600



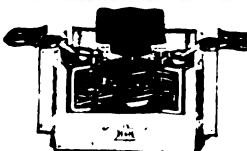
No. 601



No. 3004



No. 2886



No. 2681



No. 3055



Round Handle

NATIONAL ELECTRICAL CODE STANDARD

Single-pole—5 Amperes, 125 Volts; 3 Amperes, 250 Volts						
Trade No.	Mfrs. No.	Style Cover	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each	
038537	600	Plain	100	55	\$0.62	
Single-pole—10 Amperes, 125 Volts; 5 Amperes, 250 Volts						
038538	601	Plain	50	30	.71	
68531	2881	Indicating	50	30	.81	
Double-pole—10 Amperes, 125 Volts; 10 Amperes, 250 Volts						
038539	602	Plain	50	30	1.05	
68532	2882	Indicating	50	30	1.15	
Three-way—5 Amperes, 125 Volts; 3 Amperes, 250 Volts						
038540	2263	Plain	50	30	.82	
Three-way—10 Amperes, 125 Volts; 5 Amperes, 250 Volts						
038541	603	Plain	50	30	1.05	
Four-way—5 Amperes, 125 Volts; 2 Amperes, 250 Volts						
038542	604	Plain	10	8	1.05	
Depth of switches without plates: 5-ampere size, single-pole, 1 $\frac{1}{8}$ inches; 5-ampere size, three-way and four-way, 1 $\frac{3}{8}$ inches; 10-ampere size, all styles, 1 $\frac{1}{2}$ inches.						
Single-pole—30 Amperes, 250 Volts						
68533	3061	Plain	10	25	1.90	
68543	3108	Indicating	10	25	2.00	
Double-pole—30 Amperes, 250 Volts						
68534	3004	Plain	10	25	1.90	
68544	3107	Indicating	10	25	2.00	
Single Plate, 4 $\frac{1}{2}$ x4 $\frac{1}{2}$						
68535	3054	Plain	10	12	1.50	
68545	3254	Indicating	10	12	1.50	

The above 30-ampere switches can be furnished in three-way, four-way and electrolier connections. They require a two-gang wall case, No. 902.

ELECTROLIER SWITCHES

5 AMPERES, 125 VOLTS; 2 AMPERES, 250 VOLTS

Two Sections—Connections 1, -1 & 2, -1, -Off						
038544	609	Plain	10	8	1.05	
68536	2886	Indicating	10	8	1.15	
Two Sections—Connections 1, -1 & 2, -2, -Off						
038545	619	Plain	10	8	1.05	
68537	2887	Indicating	10	8	1.15	
Two Sections—Connections 1, -2, -1 & 2, -Off						
68538	2681	Plain	10	8	1.05	
68539	2888	Indicating	10	8	1.15	
Three Sections—Connections 1, -1 & 2, -1 & 2 & 3, -Off						
038543	605	Plain	10	8	1.05	
68540	2885	Indicating	10	8	1.15	
Three Sections—Connections 1, -2, -3, -Off						
68541	3055	Plain	10	8	1.05	
68542	2980	Indicating	10	8	1.15	

Depth of the above electrolier type switches, without plates, 1 $\frac{1}{2}$ inches.

Supporting screw holes for above switches are spaced 3 $\frac{1}{2}$ inches on centers, outside; 2 $\frac{1}{8}$ inches on centers, inside.

All of the above switches may be converted into lock switches by the use of lock attachments.

When specified, round handles will be furnished on the above switches in 3, 5 and 10-ampere sizes without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



PLATES FOR H & H ROTARY FLUSH SWITCHES



No. 4067

STRUCK-UP PLATES

Trade No.	Mfrs. No.	No. of Switches	Dimensions of Plate, In.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
038546	4067	1	4 1/2 x 2 3/4	*100	23	\$0.40

No. 4067 plate is stamped from .040-inch rolled brass, and has re-enforced edges to make it strong. The screw holes are deeply countersunk so that the plate will not dip in under pressure of the screws.

STANDARD SIZE SOLID PLAIN PLATES

Made from 1/4-inch Hard Rolled Brass

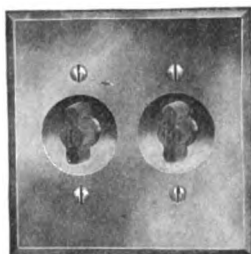
038548	4031	1	4 1/2 x 2 3/4	*100	40	.60
038549	4032	2	4 1/2 x 4 9/16	* 50	35	1.20
038550	4033	3	4 1/2 x 6 3/8	*	35	1.80
038551	4034	4	4 1/2 x 8 3/8	*	35	2.40
038552	4035	5	4 1/2 x 10	*	35	3.50
038553	4036	6	4 1/2 x 11 5/8	*	35	4.20
038554	4037	7	4 1/2 x 13 5/8	*	35	4.90
038555	4038	8	4 1/2 x 15 7/8	*	35	5.60

The above plates fit standard wall cases.

STANDARD SIZE SOLID INDICATING PLATES

Made from 1/4-inch Hard Rolled Brass, with Opening for Indicating Dial

68551	2891	1	4 1/2 x 2 3/4	*100	40	.60
68552	2892	2	4 1/2 x 4 9/16	* 50	35	1.20
68553	2893	3	4 1/2 x 6 3/8	*	35	1.80
68554	2894	4	4 1/2 x 8 3/8	*	35	2.40
68555	2895	5	4 1/2 x 10	*	35	3.50
68556	2896	6	4 1/2 x 11 5/8	*	35	4.20
68557	2897	7	4 1/2 x 13 5/8	*	35	4.90
68558	2898	8	4 1/2 x 15 7/8	*	35	5.60



No. 4032

SMALL SIZE SOLID PLATES

Made from 1/4-inch Rolled Brass

038556	4021	1	4 x 2 1/4	*	30	.60
038557	4022	2	4 x 4 1/8	*	28	1.20
038558	4023	3	4 x 5 5/8	*	28	1.80
038559	4024	4	4 x 7 3/4	*	28	2.40
038560	4025	5	4 x 9 1/8	*	28	3.50
038561	4026	6	4 x 11 3/8	*	28	4.20
038562	4027	7	4 x 13 3/8	*	28	4.90
038563	4028	8	4 x 15	*	28	5.60

These small plates fit standard wall cases only when the ears are reversed.

On horizontal gang plates, switches in gangs are spaced 1 3/4 inches between centers.

TANDEM PLATES

Made from 1/4-inch Rolled Brass

038564	4062	2	8 1/4 x 2 3/4	*	35	1.40
038565	4063	3	11 3/4 x 2 3/4	*	35	2.10
038566	4064	4	15 3/4 x 2 3/4	*	35	2.80
038567	4065	5	19 x 2 3/4	*	35	3.50
038568	4066	6	22 5/8 x 2 3/4	*	35	4.20

Tandem plates fit standard wall cases.

On tandem plates, switches are spaced 3 3/8 inches between centers.

PLATES FOR 30-AMPERE, 250-VOLT SWITCHES

68535	3054	1	4 1/2 x 4 9/16	10	12	1.50
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*100 single plates, or the equivalent in gangs is a standard package.



No. 4062

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



H & H SURFACE SWITCHES



NATIONAL ELECTRICAL CODE STANDARD

SINGLE-POLE

5 Amperes, 125 Volts; 3 Amperes, 250 Volts

Small Size

Trade No.	Mfrs. No.	Style Base	Style Cover	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
020054	2148	Solid	Plain	250	71	\$0.28
020055	2161	Slotted	Plain	250	71	.28
020056	2162	Solid	Indicating	250	73	.32
020057	2163	Slotted	Indicating	250	73	.32

Holes for supporting screws are spaced $1\frac{1}{4}$ inches on centers.

Diameter of base, 2 inches.



No. 2148

Large Size

020058	20	Solid	Plain	100	30	.36
020059	120	Slotted	Plain	100	30	.36
020060	220	Solid	Indicating	100	30	.40
020061	320	Slotted	Indicating	100	30	.40

Holes for supporting screws are spaced $1\frac{1}{8}$ inches on centers.Diameter of base, $2\frac{1}{8}$ inches.

No. 220

10 Amperes, 125 Volts; 5 Amperes 250 Volts

020062	21	Solid	Plain	100	53	.48
020063	121	Slotted	Plain	100	53	.48
020064	221	Solid	Indicating	100	53	.54
020065	321	Slotted	Indicating	100	53	.54

Holes for supporting screws are spaced $1\frac{3}{4}$ inches on centers.Diameter of base, $2\frac{1}{4}$ inches.

No. 21

10 Amperes, 250 Volts

68161	2983	Solid	Plain	100	54	.66
68162	2984	Slotted	Plain	100	54	.66
68163	2985	Solid	Indicating	100	54	.76
68164	2986	Slotted	Indicating	100	54	.76

Holes for supporting screws are spaced $1\frac{3}{4}$ inches on centers.Diameter of base, $2\frac{1}{4}$ inches.

No. 240

20 Amperes, 125 Volts

020066	31	Solid	Plain	10	15	.90
020067	131	Slotted	Plain	10	15	.90
020068	231	Solid	Indicating	10	15	1.00
020069	331	Slotted	Indicating	10	15	1.00

Holes for supporting screws are spaced $2\frac{1}{4}$ inches on centers.Diameter of base, $3\frac{1}{8}$ inches.

30 Amperes, 125 Volts

020070	40	Solid	Plain	10	17	1.40
020071	140	Slotted	Plain	10	17	1.40
020072	240	Solid	Indicating	10	17	1.50
020073	340	Slotted	Indicating	10	17	1.50

Holes for supporting screws are spaced $2\frac{1}{8}$ inches on centers.Diameter of base, $3\frac{1}{2}$ inches.

No. 2684

SWITCHES WITH METAL COVERED BASES

5 Amperes, 125 Volts; 3 Amperes, 250 Volts

Especially adapted for mounting on motor-driven devices such as coffee mills, sweepers, presses, etc., when it is desired to protect the porcelain base from mechanical injury

68165	2684	Solid	Plain	100	28	.36
68166	2654	Solid	Indicating	100	28	.40

Holes for supporting screws are spaced $1\frac{1}{4}$ inches on centers.

Diameter of base, 2 inches.

The above switches may be converted into lock switches by the use of the lock attachments.

When specified, round handles will be furnished on the above switches in 3, 5 and 10-ampere sizes, without extra charge.



Round Handle

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



H & H SURFACE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD



DOUBLE-POLE

5 Amperes, 250 Volts

Trade No.	Mfrs. No.	Style Base	Style Cover	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
020074	2085	Solid	Plain	100	35	\$0.56
020075	2086	Slotted	Plain	100	35	.56
020076	2087	Solid	Indicating	100	35	.64
020077	2088	Slotted	Indicating	100	35	.64

Holes for supporting screws are spaced $1\frac{1}{2}$ in. on centers. Diam. of base, $2\frac{1}{2}$ in.

10 Amperes, 250 Volts

020078	22	Solid	Plain	100	54	.66
020079	122	Slotted	Plain	100	54	.66
020080	222	Solid	Indicating	100	54	.76
020081	322	Slotted	Indicating	100	54	.76

Holes for supporting screws are spaced $1\frac{1}{2}$ in. on centers. Diam. of base, $2\frac{1}{2}$ in.

20 Amperes, 250 Volts

020082	32	Solid	Plain	30	30	1.40
020083	132	Slotted	Plain	30	30	1.40
020084	432	Solid	Indicating	30	30	1.50
020085	532	Slotted	Indicating	30	30	1.50

Holes for supporting screws are spaced $2\frac{1}{2}$ in. on centers. Diam. of base, $3\frac{1}{4}$ in.

30 Amperes, 250 Volts

020086	42	Solid	Plain	30	44	1.70
020087	142	Slotted	Plain	30	44	1.70
020088	442	Solid	Indicating	30	44	1.80
020089	542	Slotted	Indicating	30	44	1.80

Holes for supporting screws are spaced $2\frac{1}{2}$ in. on centers. Diam. of base, $3\frac{1}{2}$ in.

THREE-WAY

3 Amperes, 125 Volts; 1 Ampere, 250 Volts

68177	2152	Solid	Plain	100	34	.48
68178	2153	Slotted	Plain	100	34	.48

Holes for supporting screws are spaced $1\frac{1}{2}$ in. on centers. Diam. of base, $2\frac{1}{2}$ in.

5 Amperes, 125 Volts; 3 Amperes, 250 Volts

020090	2089	Solid	Plain	100	35	.56
020091	2090	Slotted	Plain	100	35	.56

Holes for supporting screws are spaced $1\frac{1}{2}$ in. on centers. Diam. of base, $2\frac{1}{2}$ in.

10 Amperes, 125 Volts; 5 Amperes, 250 Volts

020092	23	Solid	Plain	50	27	.76
020093	123	Slotted	Plain	50	27	.76

Holes for supporting screws are spaced $1\frac{3}{4}$ in. on centers. Diam. of base, $2\frac{1}{2}$ in.

20 Amperes, 125 Volts

020094	33	Solid	Plain	10	17	1.50
020095	133	Slotted	Plain	10	17	1.50

Holes for supporting screws are spaced $2\frac{1}{2}$ in. on centers. Diam. of base, $3\frac{1}{4}$ in.

30 Amperes, 125 Volts

020096	43	Solid	Plain	10	19	1.80
020097	143	Slotted	Plain	10	19	1.80

Holes for supporting screws are spaced $2\frac{1}{2}$ in. on centers. Diam. of base, $3\frac{1}{2}$ in.

FOUR-WAY

5 Amperes, 125 Volts; 2 Amperes, 250 Volts

020098	24	Solid	Plain	30	17	.86
020099	124	Slotted	Plain	30	17	.86

Holes for supporting screws are spaced $1\frac{3}{4}$ in. on centers. Diam. of base, $2\frac{1}{2}$ in.

10 Amperes, 125 Volts; 5 Amperes, 250 Volts

68179	2959	Solid	Plain	10	12	1.90
68180	2960	Slotted	Plain	10	12	1.90

Holes for supporting screws are spaced $2\frac{1}{2}$ in. on centers. Diam. of base, $2\frac{1}{2}$ in.

TRIPLE-POLE

10 Amperes, 125 Volts

020112	26	Solid	Plain	10	11	1.90
020113	126	Slotted	Plain	10	11	1.90
020114	226	Solid	Indicating	10	11	2.00
020115	326	Slotted	Indicating	10	11	2.00

Holes for supporting screws are spaced $2\frac{1}{2}$ in. on centers. Diam. of base, $2\frac{1}{2}$ in.

30 Amperes, 250 Volts

68181	2655	Solid	Plain	10	10	2.90
68182	2656	Slotted	Plain	10	10	2.90
68183	2657	Solid	Indicating	10	10	3.00
68184	2658	Slotted	Indicating	10	10	3.00

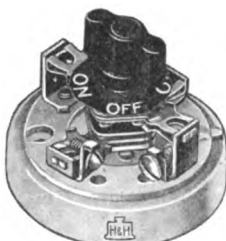
Holes for supporting screws are spaced $3\frac{1}{4}$ in. on centers. Diam. of base, $4\frac{1}{4}$ in.

Above switches can be fitted with a lock by removing the handle and using universal lock attachment.

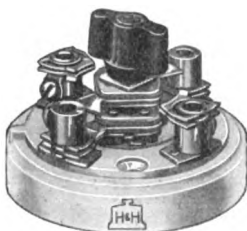
When specified, round handles will be furnished on the above switches in 3, 5 and 10-ampere sizes, without extra charge.



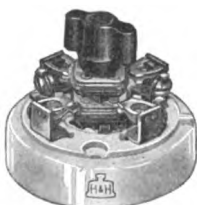
No. 22



No. 432



No. 43



No. 24



No. 2657



Round Handle

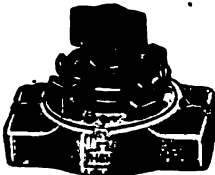
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

**H & H SURFACE SWITCHES**

NATIONAL ELECTRICAL CODE STANDARD

TAPLET AND WOOD MOLDING SWITCHES

Switches for use with Paiste Pipe Tablets or with wood molding.



No. 2544

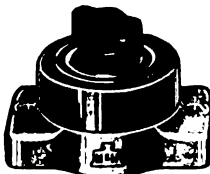
Single-Pole—5 Amperes, 125 Volts; 3 Amperes, 250 Volts						
Trade No.	Mfrs. No.	Style	Style Cover	Std. Pkg.	Wt., Lbs.	Price Each
68195	2541	.....	Plain	100	41	\$0.36
68196	2542	.....	Indicating	100	41	.40

Double-Pole—5 Amperes, 250 Volts

68197	2543	.....	Plain	100	43	.66
68198	2544	.....	Indicating	100	43	.76

Three-Way—5 Amperes, 125 Volts; 3 Amperes, 250 Volts

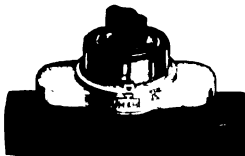
68199	2545	Plain	100	43	.66
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Holes for supporting screws are spaced $2\frac{3}{32}$ inches on centers.

No. 2545

SWITCHES FOR MOUNTING ON $\frac{1}{2}$ -INCH CONDULETS**Single-Pole—5 Amperes, 125 Volts; 3 Amperes, 250 Volts**

68200	3003	.....	Plain	100	42	.36
68201	3030	.....	Indicating	100	42	.40

Holes for supporting screws are spaced $1\frac{1}{4}$ inches on centers.

No. 3030

METAL MOLDING SWITCHES**Single-Pole—5 Amperes, 125 Volts; 3 Amperes, 250 Volts**

020116	2291	Single-end	Plain	100	40	.36
020117	2391	Single-end	Indicating	100	40	.40
020118	2292	Double-end	Plain	100	43	.36
020119	2392	Double-end	Indicating	100	43	.40

Holes for supporting screws are spaced $1\frac{1}{4}$ inches on centers.**Single-Pole—10 Amperes, 125 Volts; 5 Amperes, 250 Volts**

064334	2351	Single-end	Plain	100	40	.58
064335	2352	Single-end	Indicating	100	40	.64
064336	2353	Double-end	Plain	100	40	.58
064337	2354	Double-end	Indicating	100	40	.64

Holes for supporting screws are spaced $1\frac{3}{4}$ inches on centers.**Double-Pole—5 Amperes, 250 Volts**

68202	2296	Single-end	Plain	100	43	.66
68203	2396	Single-end	Indicating	100	43	.76
020122	2297	Double-end	Plain	100	45	.66
020123	2397	Double-end	Indicating	100	45	.76

Holes for supporting screws are spaced $1\frac{1}{8}$ inches on centers.**Double-Pole—10 Amperes, 250 Volts**

68204	2355	Single-end	Plain	100	42	.76
68205	2356	Single-end	Indicating	100	42	.86
064338	2357	Double-end	Plain	100	42	.76
064339	2358	Double-end	Indicating	100	42	.86

Holes for supporting screws are spaced $1\frac{3}{4}$ inches on centers.**Three-Way—5 Amperes, 125 Volts; 3 Amperes, 250 Volts**

020124	2298	Single-end	Plain	100	43	.66
020125	2299	Double-end	Plain	100	45	.66

Holes for supporting screws are spaced $1\frac{1}{8}$ inches on centers.**Three-Way—10 Amperes, 125 Volts; 5 Amperes, 250 Volts**

064340	2359	Single-end	Plain	100	42	.76
064341	2360	Double-end	Plain	100	42	.76

Holes for supporting screws are spaced $1\frac{3}{4}$ inches on centers.

The above switches can be converted into lock switches by the use of the lock attachments.

When specified, round handles will be furnished on the above switches without extra charge.



No. 2291



Round Handle

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



H & H SURFACE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD



ELECTROLIER SWITCHES

THREE SECTIONS—CONNECTIONS 1, -1 & 2, -1 & 2 & 3, -OFF

These switches operate as follows: First turn connects section one. Second turn connects sections one and two. Third turn connects sections one, two and three. Fourth turn, off.

*10 Amperes, 125 Volts; 5 Amperes, 250 Volts

Trade No.	Mfrs. No.	Style Base	Style Cover	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
020100	25	Solid	Plain	30	17	\$0.90
020101	125	Slotted	Plain	30	17	.90
020102	225	Solid	Indicating	30	17	1.00
020103	325	Slotted	Indicating	30	17	1.00

Holes for supporting screws are spaced $1\frac{3}{4}$ inches on centers. Diameter of base, $2\frac{1}{2}$ inches.

15 Amperes, 125 Volts; 10 Amperes, 250 Volts

68229	2501	Solid	Plain	30	30	1.40
68230	2502	Slotted	Plain	30	30	1.40
68231	2503	Solid	Indicating	30	31	1.50
68232	2504	Slotted	Indicating	30	31	1.50

Holes for supporting screws are spaced $2\frac{1}{2}$ inches on centers. Diameter of base, $3\frac{1}{2}$ inches.

THREE SECTIONS—CONNECTIONS 1, -2, -3, -OFF

These switches operate as follows: First turn connects section one. Second turn connects section two. Third turn connects section three. Fourth turn, off.

*10 Amperes, 125 Volts; 5 Amperes, 250 Volts

68233	2615	Solid	Plain	30	17	.90
68234	2616	Slotted	Plain	30	17	.90
68235	2617	Solid	Indicating	30	17	1.00
68236	2618	Slotted	Indicating	30	17	1.00

Holes for supporting screws are spaced $1\frac{3}{4}$ inches on centers. Diameter of base, $2\frac{1}{2}$ inches.

15 Amperes, 125 Volts; 10 Amperes, 250 Volts

68237	2725	Solid	Plain	30	29	1.40
68238	2726	Slotted	Plain	30	29	1.40
68239	2727	Solid	Indicating	30	29	1.50
68240	2728	Slotted	Indicating	30	29	1.50

Holes for supporting screws are spaced $2\frac{1}{2}$ inches on centers. Diameter of base, $3\frac{1}{2}$ inches.

TWO SECTIONS—CONNECTIONS 1, -2, -1 & 2, -OFF

These switches operate as follows: First turn connects section one. Second turn connects section two. Third turn connects sections one and two. Fourth turn, off.

*10 Amperes, 125 Volts; 5 Amperes, 250 Volts

68241	2661	Solid	Plain	30	17	.76
68242	2662	Slotted	Plain	30	17	.76
68243	2663	Solid	Indicating	30	17	.86
68244	2664	Slotted	Indicating	30	17	.86

Holes for supporting screws are spaced $1\frac{3}{4}$ inches on centers. Diameter of base, $2\frac{1}{2}$ inches.

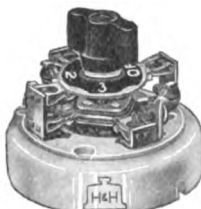
15 Amperes, 125 Volts; 10 Amperes, 250 Volts

68245	2669	Solid	Plain	30	30	1.40
68246	2670	Slotted	Plain	30	30	1.40
68247	2671	Solid	Indicating	30	30	1.50
68248	2672	Slotted	Indicating	30	30	1.50

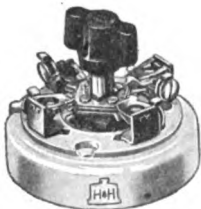
Holes for supporting screws are spaced $2\frac{1}{2}$ inches on centers. Diameter of base, $3\frac{1}{2}$ inches.

The above switches may be converted into lock switches by the use of lock attachments.

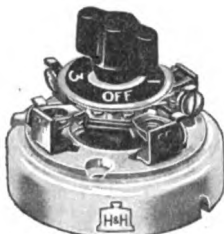
*When specified, round handles will be furnished on the above switches without extra charge.



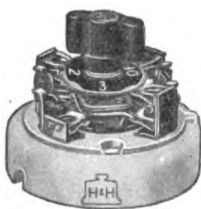
No. 325



No. 2615



No. 2728



No. 2664



No. 2671



Round Handle

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



H & H SURFACE SWITCHES



NATIONAL ELECTRICAL CODE STANDARD

TWO-SECTION ELECTROLIER SWITCHES

CONNECTIONS 1, -1 & 2, -2, -OFF

These switches operate as follows: First turn connects section one. Second turn connects sections one and two. Third turn connects section two. Fourth turn, off.

*10 Amperes, 125 Volts; 5 Amperes, 250 Volts

Trade No.	Mfrs. No.	Style Base	Style Cover	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
020108	429	Solid	Plain	30	17	\$0.90
020109	529	Slotted	Plain	30	17	.90
020110	629	Solid	Indicating	30	17	1.00
020111	729	Slotted	Indicating	30	17	1.00

Holes for supporting screws are spaced $1\frac{3}{4}$ in. on centers. Diam. of base, $2\frac{1}{2}$ in.

15 Amperes, 125 Volts; 10 Amperes, 250 Volts

68259	2598	Solid	Plain	30	30	1.40
68260	2599	Slotted	Plain	30	30	1.40
68261	2600	Solid	Indicating	30	30	1.50
68262	2591	Slotted	Indicating	30	30	1.50

Holes for supporting screws are spaced $2\frac{1}{2}$ in. on centers. Diam. of base, $3\frac{1}{2}$ in.

CONNECTIONS 1, -1 & 2, -1, -OFF

These switches operate as follows: First turn connects section one. Second turn connects sections one and two. Third turn connects section one. Fourth turn, off.

*10 Amperes, 125 Volts; 5 Amperes, 250 Volts

020104	29	Solid	Plain	30	17	.90
020105	129	Slotted	Plain	30	17	.90
020106	229	Solid	Indicating	30	17	1.00
020107	329	Slotted	Indicating	30	17	1.00

Holes for supporting screws are spaced $1\frac{3}{4}$ in. on centers. Diam. of base, $2\frac{1}{2}$ in.

15 Amperes, 125 Volts; 10 Amperes, 250 Volts

68263	2505	Solid	Plain	30	30	1.40
68264	2506	Slotted	Plain	30	30	1.40
68265	2507	Solid	Indicating	30	30	1.50
68266	2508	Slotted	Indicating	30	30	1.50

Holes for supporting screws are spaced $2\frac{1}{2}$ in. on centers. Diam. of base, $3\frac{1}{2}$ in.

CONNECTIONS 1, -OFF, -2, -OFF

These switches operate as follows: First turn connects section one. Second turn, off. Third turn connects section two. Fourth turn, off.

*10 Amperes, 125 Volts; 5 Amperes, 250 Volts

68267	2721	Solid	Plain	30	17	.90
68268	2722	Slotted	Plain	30	17	.90
68269	2723	Solid	Indicating	30	17	1.00
68270	2724	Slotted	Indicating	30	17	1.00

Holes for supporting screws are spaced $1\frac{3}{4}$ in. on centers. Diam. of base, $2\frac{1}{2}$ in.

15 Amperes, 125 Volts; 10 Amperes, 250 Volts

68271	2594	Solid	Plain	30	30	1.40
68272	2595	Slotted	Plain	30	30	1.40
68273	2596	Solid	Indicating	30	30	1.50
68274	2597	Slotted	Indicating	30	30	1.50

Holes for supporting screws are spaced $2\frac{1}{2}$ in. on centers. Diam. of base, $3\frac{1}{2}$ in.

The above switches can be converted into lock switches by the use of lock attachments.

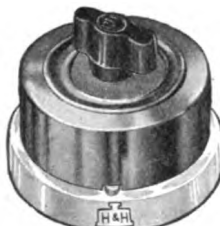
*When specified round handles will be furnished on the above switches without extra charge.



No. 629



No. 329



No. 2505



No. 2721



Round Handle

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



H & H SURFACE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD



TWO-SECTION ELECTROLIER SWITCHES

CONNECTIONS 1, -2, -OFF

These switches operate as follows: First turn connects section one. Second turn connects section two. Third turn, off.

*10 Amperes, 125 Volts; 5 Amperes, 250 Volts

Trade No.	Mfrs. No.	Style Base	Style Cover	Std. Pkg.	Wt., Lbs.	Price Each
68285	2611	Solid	Plain	30	17	\$0.90
68286	2612	Slotted	Plain	30	17	.90
68287	2613	Solid	Indicating	30	17	1.00
68288	2614	Slotted	Indicating	30	17	1.00

There are three holes for supporting screws spaced on a circle $1\frac{3}{4}$ in. in diameter. Diam. of base, $2\frac{1}{8}$ in.

15 Amperes, 125 Volts; 10 Amperes, 250 Volts

68289	2496	Solid	Plain	30	38	1.70
68290	2497	Slotted	Plain	30	38	1.70
68291	2498	Solid	Indicating	30	38	1.80
68292	2499	Slotted	Indicating	30	38	1.80

There are three holes for supporting screws spaced on a circle $2\frac{1}{8}$ in. in diameter. Diam. of base, $3\frac{1}{2}$ in.

CONNECTIONS 1 & 2, -1, -OFF

These switches operate as follows: First turn connects sections one and two. Second turn connects section one. Third turn, off.

*10 Amperes, 125 Volts; 5 Amperes, 250 Volts

68293	2607	Solid	Plain	30	17	.90
68294	2608	Slotted	Plain	30	17	.90
68295	2609	Solid	Indicating	30	17	1.00
68296	2610	Slotted	Indicating	30	17	1.00

There are three holes for supporting screws spaced on a circle $1\frac{3}{4}$ in. in diameter. Diam. of base, $2\frac{1}{8}$ in.

15 Amperes, 125 Volts; 10 Amperes, 250 Volts

68297	2486	Solid	Plain	30	38	1.70
68298	2487	Slotted	Plain	30	38	1.70
68299	2488	Solid	Indicating	30	39	1.80
68300	2489	Slotted	Indicating	30	39	1.80

There are three holes for supporting screws spaced on a circle $2\frac{1}{8}$ in. in diameter. Diam. of base, $3\frac{1}{2}$ in.

CONNECTIONS 1, -1 & 2, -OFF

These switches operate as follows: First turn connects section one. Second turn connects sections one and two. Third turn, off.

*10 Amperes, 125 Volts; 5 Amperes, 250 Volts

68301	2602	Solid	Plain	30	16	.90
68302	2603	Slotted	Plain	30	16	.90
68303	2604	Solid	Indicating	30	16	1.00
68305	2605	Slotted	Indicating	30	16	1.00

There are three holes for supporting screws spaced on a circle $1\frac{3}{4}$ in. in diameter. Diam. of base, $2\frac{1}{8}$ in.

15 Amperes, 125 Volts; 10 Amperes, 250 Volts

68307	2482	Solid	Plain	30	39	1.70
68309	2483	Slotted	Plain	30	39	1.70
68311	2484	Solid	Indicating	30	39	1.80
68313	2485	Slotted	Indicating	30	39	1.80

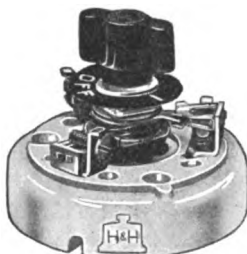
There are three holes for supporting screws spaced on a circle $2\frac{1}{8}$ in. in diameter. Diam. of base, $3\frac{1}{2}$ in.

The above switches may be converted into lock switches by the use of lock attachments.

*When specified, round handles will be furnished on the above switches without extra charge.



No. 2611



No. 2499



No. 2609



No. 2602



No. 2484



Round Handle

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



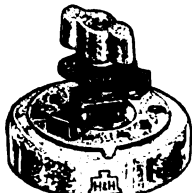
H & H SURFACE SWITCHES



NATIONAL ELECTRICAL CODE STANDARD

WITH PORCELAIN COVERS AND HANDLES

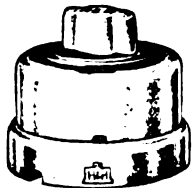
These switches are for installation in places where the switch may be subjected to acid fumes or to excessive moisture. Therefore they are adapted for use in breweries, laboratories, tanneries, packing houses, laundries, paper mills, and in cellars, mines, tunnels and parks. Porcelain switches can be effectively mounted to match glazed tilings, marble panels and walls.



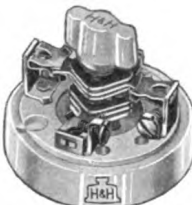
No. 2627



No. 2231



No. 2632



No. 2244



No. 2240



Round Handle

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Single-Pole—5 Amperes, 125 Volts; 3 Amperes, 250 Volts

Trade No.	Mfrs. No.	Style Base	Style Cover	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
68332	2625	Solid	Plain	30	17	\$0.32
68333	2626	Slotted	Plain	30	17	.32
68334	2627	Solid	Indicating	30	17	.36
68335	2628	Slotted	Indicating	30	17	.36

Holes for supporting screws are spaced $1\frac{1}{4}$ in. on centers. Diam. of base, $2\frac{1}{4}$ in.

Single-Pole—10 Amperes, 125 Volts; 5 Amperes, 250 Volts

020126	2231	Solid	Plain	30	25	.64
020127	2232	Slotted	Plain	30	25	.64
020128	2205	Solid	Indicating	30	25	.74
020129	2206	Slotted	Indicating	30	25	.74

Holes for supporting screws are spaced $1\frac{1}{4}$ in. on centers. Diam. of base, $2\frac{3}{4}$ in.

Double-Pole—5 Amperes, 250 Volts

68336	2629	Solid	Plain	10	8	.52
68337	2630	Slotted	Plain	10	8	.52
68338	2631	Solid	Indicating	10	8	.60
68339	2632	Slotted	Indicating	10	8	.60

Holes for supporting screws are spaced $1\frac{1}{4}$ in. on centers. Diam. of base, $2\frac{1}{4}$ in.

Double-Pole—10 Amperes, 250 Volts

020130	2244	Solid	Plain	10	9	.82
020131	2245	Slotted	Plain	10	9	.82
020132	2207	Solid	Indicating	10	10	.92
020133	2208	Slotted	Indicating	10	10	.92

Holes for supporting screws are spaced $1\frac{1}{4}$ in. on centers. Diam. of base, $2\frac{3}{4}$ in.

Three-Way—5 Amperes, 125 Volts; 3 Amperes, 250 Volts

68340	2633	Solid	Plain	10	8	.52
68341	2634	Slotted	Plain	10	8	.52

Holes for supporting screws are spaced $1\frac{1}{4}$ in. on centers. Diam. of base, $2\frac{1}{4}$ in.

Three-Way—10 Amperes, 125 Volts; 5 Amperes, 250 Volts

020134	2209	Solid	Plain	10	10	.92
020135	2210	Slotted	Plain	10	10	.92

Holes for supporting screws are spaced $1\frac{1}{4}$ in. on centers. Diam. of base, $2\frac{3}{4}$ in.

Four-Way—5 Amperes, 125 Volts; 2 Amperes, 250 Volts

020136	2234	Solid	Plain	10	9	1.02
020137	2235	Slotted	Plain	10	9	1.02

Holes for supporting screws are spaced $1\frac{1}{4}$ in. on centers. Diam. of base, $2\frac{3}{4}$ in.

Three-section Electroliner—Connections, 1, 2, 3, -Off

10 Amperes, 125 Volts; 5 Amperes, 250 Volts

68342	2747	Solid	Plain	10	10	1.06
68343	2748	Slotted	Plain	10	10	1.06
68344	2749	Solid	Indicating	10	10	1.16
68345	2750	Slotted	Indicating	10	10	1.16

There are three holes for supporting screws, spaced on a circle $1\frac{1}{4}$ in. in diameter. Diam. of base, $2\frac{3}{4}$ in.

Three-section Electroliner—Connections 1, -1 & 2, -1 & 2 & 3, -Off

10 Amperes, 125 Volts; 5 Amperes, 250 Volts

020138	2240	Solid	Plain	10	9	1.06
020139	2241	Slotted	Plain	10	9	1.06
020140	2242	Solid	Indicating	10	9	1.16
020141	2243	Slotted	Indicating	10	9	1.16

Holes for supporting screws are spaced $1\frac{1}{4}$ in. on centers. Diam. of base, $2\frac{3}{4}$ in.

The above switches may be converted into lock switches by the use of lock attachments.

When specified, round handles will be furnished on the above switches in 3, 5 and 10-ampere sizes without extra charge.



H & H SURFACE SWITCHES



NATIONAL ELECTRICAL CODE STANDARD

ELECTROLIER TYPE SWITCHES WITH PORCELAIN COVERS AND HANDLES

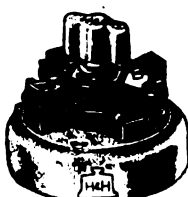


No. 2676

Two Sections—Connections 1, -2, -1 & 2, -Off
10 Amperes, 125 Volts; 5 Amperes, 250 Volts

Trade No.	Mfrs. No.	Style Base	Style Cover	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
68356	2673	Solid	Plain	10	10	\$0.96
68357	2674	Slotted	Plain	10	10	.96
68358	2675	Solid	Indicating	10	10	1.06
68359	2676	Slotted	Indicating	10	10	1.06

Holes for supporting screws are spaced 1½ in. on centers. Diam. of base, 2¼ in.



No. 2246

Two Sections—Connections 1, -1 & 2, -1, -Off
10 Amperes, 125 Volts; 5 Amperes, 250 Volts

020142	2236	Solid	Plain	10	9	.96
020143	2237	Slotted	Plain	10	9	.96
020144	2238	Solid	Indicating	10	9	1.06
020145	2239	Slotted	Indicating	10	9	1.06

Holes for supporting screws are spaced 1½ in. on centers. Diam. of base, 2¼ in.



No. 2731

Two Sections—Connections 1, -1 & 2, -2, -Off
10 Amperes, 125 Volts; 5 Amperes, 250 Volts

020020	2246	Solid	Plain	10	9	.96
020021	2247	Slotted	Plain	10	9	.93
020022	2248	Solid	Indicating	10	9	1.03
020023	2249	Slotted	Indicating	10	9	1.03

Holes for supporting screws are spaced 1½ in. on centers. Diam. of base, 2¼ in.

Two Sections—Connections 1, -2, -Off
10 Amperes, 125 Volts; 5 Amperes, 250 Volts

68360	2739	Solid	Plain	10	10	.96
68361	2740	Slotted	Plain	10	10	.96
68362	2741	Solid	Indicating	10	10	1.06
68363	2742	Slotted	Indicating	10	10	1.06

There are three holes for supporting screws spaced on a circle 1½ in. in diameter. Diam. of base, 2¼ in.



No. 2736

Two Sections—Connections 1, -1 & 2, -Off
10 Amperes, 125 Volts; 5 Amperes, 250 Volts

68364	2731	Solid	Plain	10	10	.96
68365	2732	Slotted	Plain	10	10	.96
68366	2733	Solid	Indicating	10	10	1.06
68367	2734	Slotted	Indicating	10	10	1.06

There are three holes for supporting screws spaced on a circle 1½ in. in diameter. Diam. of base, 2¼ in.



No. 2746

Two Sections—Connections 1 & 2, -1, -Off
10 Amperes, 125 Volts; 5 Amperes, 250 Volts

68368	2735	Solid	Plain	10	10	.93
68369	2736	Slotted	Plain	10	10	.96
68370	2737	Solid	Indicating	10	10	1.06
68371	2738	Slotted	Indicating	10	10	1.06

There are three holes for supporting screws spaced on a circle 1½ in. in diameter. Diam. of base, 2¼ in.

Two Sections—Connections 1, -Off, 2, -Off
10 Amperes, 125 Volts; 5 Amperes, 250 Volts

68416	2743	Solid	Plain	10	10	.96
68417	2744	Slotted	Plain	10	10	.96
68418	2745	Solid	Indicating	10	10	1.06
68419	2746	Slotted	Indicating	10	10	1.06

There are three holes for supporting screws spaced on a circle 1½ in. in diameter. Diam. of base, 2¼ in.



Round Handle

The above switches may be converted into lock switches by the use of lock attachments.

When specified, round handles will be furnished on the above switches in 3, 5 and 10-ampere sizes without extra charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



H & H SWITCHES



NATIONAL ELECTRICAL CODE STANDARD

DOUBLE-POLE, DOUBLE-THROW SWITCHES

These switches give the same control of circuits as a double-pole, double-throw knife switch.

10 Amperes, 250 Volts

These switches give the following connections: First snap, circuit No. 1. Second snap, off. Third snap, circuit No. 2. Fourth snap, off.

Trade No.	Mfra. No.	Style Base	Style Cover	Std. Pkg.	Wt., Lbs. Std.	Price Each
68430	2621	Solid	Plain	10	12	\$2.40
68431	2622	Slotted	Plain	10	12	2.40
68432	2623	Solid	Indicating	10	12	2.50
68433	2624	Slotted	Indicating	10	12	2.50

Holes for supporting screws are spaced $2\frac{1}{4}$ in. on centers. Diam. of base, $2\frac{1}{4}$ in.

10 Amperes, 250 Volts

These switches have only three snaps, the blade rotating through 120 degrees at each snap and give the following connections: First snap, circuit No. 1. Second snap, circuit No. 2. Third snap, off.

68434	3025	Solid	Plain	10	12	2.40
68435	3026	Slotted	Plain	10	12	2.40
68436	3027	Solid	Indicating	10	12	2.50
68437	3028	Slotted	Indicating	10	12	2.50

Holes for supporting screws are spaced $2\frac{1}{4}$ in. on centers. Diam. of base, $2\frac{1}{4}$ in.

HEATER SWITCHES

SINGLE-POLE SERIES SWITCHES

Indicator reads "Low," "High," "Off."

Operation: First snap, both coils in series. Second snap, one coil cut out. Third snap, all off.

10 Amperes, 125 Volts; 5 Amperes, 250 Volts

68438	3019	Solid	Indicating	..	..	1.10
68439	3020	Slotted	Indicating	..	..	1.10

There are three supporting screw holes spaced on a circle $1\frac{3}{4}$ in. in diameter. Diam. of base, $2\frac{1}{4}$ in.

10 Amperes, 250 Volts

68440	2813	Solid	Indicating	..	..	1.50
68441	2814	Slotted	Indicating	..	..	1.50

Holes for supporting screws are spaced $2\frac{1}{4}$ in. on centers. Diam. of base, $2\frac{1}{4}$ in.

SINGLE-POLE MULTIPLE SWITCHES

Indicator reads "Low," "Medium," "High," "Off."

Operation: First snap, coil "A" on. Second snap, coil "B" on. Third snap, coils "A" and "B" on. Fourth snap, all off.

20 Amperes, 250 Volts

68442	2199	Solid	Indicating	..	..	2.00
68443	2200	Slotted	Indicating	..	..	2.00

Holes for supporting screws are spaced $2\frac{1}{4}$ in. on centers. Diam. of base, $3\frac{3}{4}$ in.

This style can be furnished with porcelain covers and handles. Mica insulation is used on all of the above heater switches.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 2623



No. 3019



No. 2813



No. 2199



H & H HEATER SWITCHES

NATIONAL ELECTRICAL CODE STANDARD



SINGLE-POLE SERIES PARALLEL SWITCHES

Indicator reads "High," "Medium," "Low," "Off."

Operation: First snap, two coils in multiple. Second snap, one coil cut out. Third snap, two coils in series. Fourth snap, all off.

2 Amperes, 250 Volts; 5 Amperes, 125 Volts

Trade No.	Mfrs. No.	Style Base	Style Cover	Price Each
68451	2720	Solid	Indicating	\$0.72
68452	2305	Slotted	Indicating	.72

Supporting screw holes are spaced $1\frac{1}{8}$ inches on centers.
Diameter of base, $2\frac{1}{8}$ inches.

5 Amperes, 250 Volts; 10 Amperes, 125 Volts

68453	2592	Solid	Indicating	.86
68454	2578	Slotted	Indicating	.86

Supporting screw holes are spaced $1\frac{3}{4}$ inches on centers.
Diameter of base, $2\frac{3}{4}$ inches.

10 Amperes, 250 Volts

68455	2981	Solid	Indicating	1.00
68456	2982	Slotted	Indicating	1.00

Supporting screw holes are spaced $2\frac{1}{8}$ inches on centers.
Diameter of base, $2\frac{3}{8}$ inches.

DOUBLE-POLE SERIES PARALLEL SWITCHES

Indicator reads "High," "Medium," "Low," "Off."

Operation: First snap, two coils in multiple. Second snap, one coil cut out. Third snap, both coils in series. Fourth snap, all off.

10 Amperes, 250 Volts

68457	2860	Solid	Indicating	2.20
68458	2861	Slotted	Indicating	2.20

Supporting screw holes are spaced $2\frac{3}{8}$ inches on centers.
Diameter of base, $3\frac{1}{8}$ inches.

20 Amperes, 250 Volts

68459	2762	Solid	Indicating	2.50
68460	2763	Slotted	Indicating	2.50

Supporting screw holes are spaced $2\frac{7}{8}$ inches on centers.
Diameter of base, $3\frac{1}{8}$ inches.

35 Amperes, 250 Volts

68461	2764	Solid	Indicating	3.00
68462	2765	Slotted	Indicating	3.00

Supporting screw holes are spaced $2\frac{3}{4}$ inches on centers.
Diameter of base, $3\frac{3}{4}$ inches.

DOUBLE-POLE SERIES PARALLEL SWITCHES

Indicator reads "Low," "Medium," "High," "Off."

Operation: First snap, both coils in series. Second snap, one coil cut out. Third snap, two coils in multiple. Fourth snap, all off.

10 Amperes, 250 Volts

68463	2160	Solid	Indicating	2.20
68464	2857	Slotted	Indicating	2.20

Supporting screw holes are spaced $2\frac{3}{8}$ inches on centers.
Diameter of base, $3\frac{1}{8}$ inches.

20 Amperes, 250 Volts

68465	160	Solid	Indicating	2.50
68466	2761	Slotted	Indicating	2.50

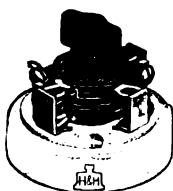
Supporting screw holes are spaced $2\frac{7}{8}$ inches on centers.
Diameter of base, $3\frac{1}{8}$ inches.

35 Amperes, 250 Volts

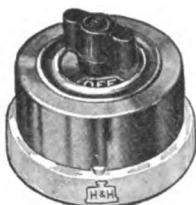
68467	2582	Solid	Indicating	3.00
68468	2587	Slotted	Indicating	3.00

Supporting screw holes are spaced $2\frac{3}{4}$ inches on centers.
Diameter of base, $3\frac{3}{4}$ inches.

Mica insulation is used on all of the above heater switches.



No. 2720



No. 2860



No. 2160

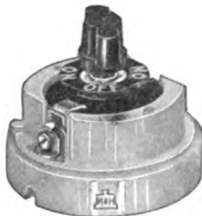
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



H & H 600-VOLT SURFACE BARRIER SWITCHES



No. 2338



No. 350 1/2



No. 2166



No. 541 1/2



No. 2170

Made especially for use on electric railway cars, to control the air brake, headlight, heater and incandescent circuits.

All H & H Barrier 600-Volt Switches will carry overloads in excess of their rated capacity. The barrier switches are particularly efficient under heavy loads. This type of switch effects a blow-out of the arc, by swiftly rotating the blades through a narrow slot in the porcelain barrier.

Special 600-volt switches not listed can be furnished if desired.

FUSED SWITCHES

These switches are protected by a 5-ampere, 600-volt fuse. The cover and base are of chocolate color glazed porcelain.

5 Amperes

Trade No.	Mfrs. No.	Style	Style Cover	Std. Pkg.	Wt., Lbs.	Price Each
045995	2335	Single-pole	Indicating	25	55	\$1.50
045996	2336	Three-way	Plain	25	55	1.50
045997	2338	Two-circuit	Indicating	25	55	1.50
045998	2319	Encl. fuses, 5 amps. 600 volts		100	1	.40

Holes for supporting screws are spaced 3 1/4 in. on centers.

Above prices are for switches without fuses. Fuses will not be shipped unless specified.

SINGLE-POLE

5 Amperes

020031	50 1/2	Solid	Plain	50	37	.66
020032	150 1/2	Slotted	Plain	50	37	.66
020033	250 1/2	Solid	Indicating	50	37	.76
020034	350 1/2	Slotted	Indicating	50	37	.76

Holes for supporting screws are spaced 1 1/2 in. on centers. Diam. of base, 2 1/2 in.

10 Amperes

020035	2164	Solid	Plain	50	74	1.60
020036	2165	Slotted	Plain	50	74	1.60
020037	2166	Solid	Indicating	50	74	1.70
020038	2167	Slotted	Indicating	50	74	1.70

Holes for supporting screws are spaced 2 1/4 in. on centers. Diam. of base, 3 1/4 in.

20 Amperes

020039	241 1/2	Solid	Plain	50	76	1.90
020040	341 1/2	Slotted	Plain	50	76	1.90
020041	441 1/2	Solid	Indicating	50	76	2.00
020042	541 1/2	Slotted	Indicating	50	76	2.00

Holes for supporting screws are spaced 2 1/4 in. on centers. Diam. of base, 3 1/4 in.

DOUBLE-POLE

5 Amperes

68479	3015	Solid	Plain	50	36	.90
68480	3016	Slotted	Plain	50	36	.90
68481	3017	Solid	Indicating	50	36	1.00
68482	3018	Slotted	Indicating	50	36	1.00

Holes for supporting screws are spaced 1 1/2 in. on centers. Diam. of base, 2 1/2 in.

10 Amperes

020043	2168	Solid	Plain	50	74	1.80
020044	2169	Slotted	Plain	50	74	1.80
020045	2170	Solid	Indicating	50	74	1.90
020046	2171	Slotted	Indicating	50	74	1.90

Holes for supporting screws are spaced 2 1/4 in. on centers. Diam. of base, 3 1/4 in.

THREE-WAY

5 Amperes

020047	53 1/2	Solid	Plain	50	37	.90
020048	153 1/2	Slotted	Plain	50	37	.90

Holes for supporting screws are spaced 2 1/2 in. on centers. Diam. of base, 2 1/2 in.

10 Amperes

020049	2172	Solid	Plain	50	74	1.70
020050	2173	Slotted	Plain	50	74	1.70

Holes for supporting screws are spaced 2 1/4 in. on centers. Diam. of base, 3 1/4 in.

The above switches can be converted into lock switches by the use of lock attachments.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



H & H 600-VOLT SURFACE BARRIER SWITCHES



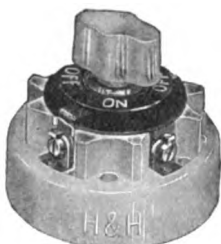
TWO-CIRCUIT SWITCHES

Used to control combination arc-incandescent headlights and operate as follows: First snap, arc. Second snap, off. Third snap, incandescent. Fourth snap, off.

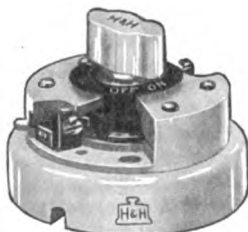
Also used to alternately throw the front and rear incandescent headlights and tail lights into circuit and for similar combinations of lights.



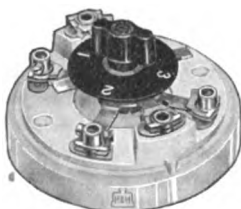
No. 57



No. 2176



No. 347



No. 800



No. 162

5 Amperes

Trade No.	Mfrs. No.	Style Base	Style Cover	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
038501	57	Solid	Plain	50	37	\$0.90
038502	157	Slotted	Plain	50	37	.90
038503	257	Solid	Indicating	50	37	1.00
038504	357	Slotted	Indicating	50	37	1.00

Holes for supporting screws are spaced $1\frac{1}{4}$ inches on centers. Diameter of base, $2\frac{1}{4}$ inches.

10 Amperes

038505	2174	Solid	Plain	50	74	1.70
038506	2175	Slotted	Plain	50	74	1.70
038507	2176	Solid	Indicating	50	74	1.80
038508	2177	Slotted	Indicating	50	74	1.80

Holes for supporting screws are spaced $2\frac{1}{4}$ inches on centers. Diameter of base, $3\frac{1}{4}$ inches.

20 Amperes

038509	47	Solid	Plain	50	76	1.90
038510	147	Slotted	Plain	50	76	1.90
038511	247	Solid	Indicating	50	76	2.00
038512	347	Slotted	Indicating	50	76	2.00

Holes for supporting screws are spaced $2\frac{1}{4}$ inches on centers. Diameter of base, $3\frac{1}{4}$ inches.

The center spindle of the above 20-ampere switches is not insulated from the current-carrying parts. As the handle used is of rubber composition or of porcelain, it effectively insulates the spindle from the user. The lock attachment, however, being of metal, cannot be used on this one style of switch.

HEATER SWITCHES

By the use of these switches three degrees of heat can be secured from one point of control when two electric heaters are used on a circuit. Thus, one heater may be of greater capacity than the other and the three intensities of heat are secured by the following successive connections of the switch:

Dial reads: "Low," "Medium," "High," "Off."

Operation: First snap, coil "A" on. Second snap, coil "B" on. Third snap, coil "A" and "B" on. Fourth snap, all off.

10 Amperes

68493	2193	Solid	Plain	50	75	1.70
68494	2194	Slotted	Plain	50	75	1.70
68495	2195	Solid	Indicating	50	75	1.80
68496	2196	Slotted	Indicating	50	75	1.80

Holes for supporting screws are spaced $2\frac{1}{4}$ inches on centers. Diameter of base, $3\frac{3}{8}$ inches.

15 Amperes—(Not a Barrier Switch)

038521	799	Solid	Plain	10	35	3.00
038522	800	Solid	Indicating	10	35	3.10

Holes for supporting screws are spaced $3\frac{1}{2}$ inches on centers. Diameter of base, $4\frac{5}{8}$ inches.

35 Amperes, 600 Volts—Reciprocating

Can be snapped backward so that it is not necessary to go through all the heats to open the circuit.

68497	162	Solid	Indicating	10	85	10.00
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Holes for supporting screws are spaced $4\frac{1}{2}$ inches on centers. Diameter of base, $5\frac{3}{4}$ inches.

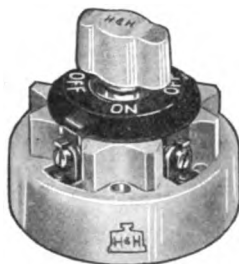
All the above switches, except Nos. 47, 147, 247 and 347, may be converted into lock switches by the use of lock attachments.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



H & H 600-VOLT SURFACE SWITCHES

BARRIER SWITCHES, WITH PORCELAIN COVERS AND HANDLES



No. 2519



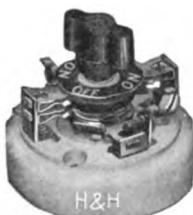
No. 2515



No. 2524



No. 220 1/2



No. 227

		Single-Pole—5 Amperes		Std. Pkg.	Wt., Lbs. Std.	Price Each
Trade No.	Mfrs. No.	Style Base	Style Cover			
064345	2421	Solid	Plain	10	11	\$0.82
064346	2422	Slotted	Plain	10	11	.82
064347	2423	Solid	Indicating	10	11	.92
064348	2424	Slotted	Indicating	10	11	.92
Holes for supporting screws are spaced 1 1/4 in. on centers. Diam. of base, 2 1/2 in.						
		Single-Pole—10 Amperes		Std. Pkg.	Wt., Lbs. Std.	Price Each
Trade No.	Mfrs. No.	Style Base	Style Cover			
68507	2511	Solid	Plain	10	17	1.85
68508	2512	Slotted	Plain	10	17	1.85
68509	2513	Solid	Indicating	10	17	1.95
68510	2514	Slotted	Indicating	10	17	1.95
Holes for supporting screws are spaced 2 1/4 in. on centers. Diam. of base, 3 1/4 in.						
		Double-Pole—10 Amperes		Std. Pkg.	Wt., Lbs. Std.	Price Each
Trade No.	Mfrs. No.	Style Base	Style Cover			
68511	2517	Solid	Plain	10	18	2.05
68512	2518	Slotted	Plain	10	18	2.05
68513	2519	Solid	Indicating	10	18	2.15
68514	2520	Slotted	Indicating	10	18	2.15
Holes for supporting screws are spaced 2 1/4 in. on centers. Diam. of base, 3 1/4 in.						
		Three-Way—5 Amperes		Std. Pkg.	Wt., Lbs. Std.	Price Each
Trade No.	Mfrs. No.	Style Base	Style Cover			
064349	2425	Solid	Plain	10	10	1.06
064350	2426	Slotted	Plain	10	10	1.06
Holes for supporting screws are spaced 1 1/4 in. on centers. Diam. of base, 2 1/2 in.						
		Three-Way—10 Amperes		Std. Pkg.	Wt., Lbs. Std.	Price Each
Trade No.	Mfrs. No.	Style Base	Style Cover			
68515	2515	Solid	Plain	10	17	1.95
68516	2516	Slotted	Plain	10	17	1.95
Holes for supporting screws are spaced 2 1/4 in. on centers. Diam. of base, 3 1/4 in.						
		Two-Circuit—5 Amperes		Std. Pkg.	Wt., Lbs. Std.	Price Each
Trade No.	Mfrs. No.	Style Base	Style Cover			
064351	2427	Solid	Plain	10	10	1.00
064352	2428	Slotted	Plain	10	10	1.00
064353	2429	Solid	Indicating	10	10	1.10
064354	2430	Slotted	Indicating	10	10	1.10
Holes for supporting screws are spaced 1 1/4 in. on centers. Diam. of base, 2 1/2 in.						
		Two-Circuit—10 Amperes		Std. Pkg.	Wt., Lbs. Std.	Price Each
Trade No.	Mfrs. No.	Style Base	Style Cover			
68517	2521	Solid	Plain	10	20	1.95
68518	2522	Slotted	Plain	10	20	1.95
68519	2523	Solid	Indicating	10	20	2.05
68520	2524	Slotted	Indicating	10	20	2.05
Holes for supporting screws are spaced 2 1/4 in. on centers. Diam. of base, 3 1/4 in.						

SWITCHES WITHOUT BARRIERS

The switches listed below are the 600-volt switches that were marketed before the barrier switches were developed. They are conservatively rated and are mechanically strong, though not as efficient as the barrier switches.

		Single-Pole—3 Amperes		Std. Pkg.	Wt., Lbs. Std.	Price Each
Trade No.	Mfrs. No.	Style Base	Style Cover			
038523	20 1/2	Solid	Plain	50	27	.54
038524	120 1/2	Slotted	Plain	50	27	.54
038525	220 1/2	Solid	Indicating	50	27	.60
038526	320 1/2	Slotted	Indicating	50	27	.60
Holes for supporting screws are spaced 1 1/4 in. on centers. Diam. of base, 2 1/4 in.						
		Single-Pole, Quadruple Break—3 Amperes		Std. Pkg.	Wt., Lbs. Std.	Price Each
Trade No.	Mfrs. No.	Style Base	Style Cover			
038527	2311	Solid	Plain	50	25	.54
038528	2312	Slotted	Plain	50	25	.54
038529	2313	Solid	Indicating	50	25	.60
038530	2314	Slotted	Indicating	50	25	.60
Holes for supporting screws are spaced 1 1/4 in. on centers. Diam. of base, 2 1/4 in.						
		Three-Way—1 Ampere		Std. Pkg.	Wt., Lbs. Std.	Price Each
Trade No.	Mfrs. No.	Style Base	Style Cover			
038531	231 1/2	Solid	Plain	50	25	.70
038532	123 1/2	Slotted	Plain	50	25	.70
Holes for supporting screws are spaced 1 1/4 in. on centers. Diam. of base, 2 1/4 in.						
		Two-Circuit—3 Amperes		Std. Pkg.	Wt., Lbs. Std.	Price Each
Trade No.	Mfrs. No.	Style Base	Style Cover			
038533	27	Solid	Plain	50	27	.76
038534	127	Slotted	Plain	50	27	.76
038535	227	Solid	Indicating	50	27	.86
038536	327	Slotted	Indicating	50	27	.86
Holes for supporting screws are spaced 1 1/4 in. on centers. Diam. of base, 2 1/4 in.						

The above switches can be converted into lock switches by the use of lock attachments.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



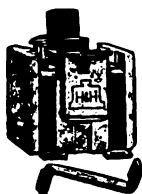
H & H PANEL SWITCHES



No. 3048



No. 3065



No. 2272



No. 2958



No. 1022

PANEL BOARD SWITCHES

Rotary and Push Switches with Composition Covers

These double-pole switches have special porcelain bases designed to fit upon any style of buss-bars.

Panel Board Push Switches—10 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt. Lbs.	Price Each
68584	3048	Double-Pole.....	50	35	\$1.15

The distance between buss-bar contacts is $2\frac{1}{4}$ inches in length and $1\frac{1}{8}$ inches in width.

Outside dimensions of cover are: Length, $2\frac{7}{8}$ inches; width, $1\frac{1}{8}$ inches; height, $1\frac{3}{8}$ inches.

Panel Board Rotary Switches—10 Amperes, 250 Volts

68585	3065	Double-Pole, indicating	50	26	1.00
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Distance between buss-bar contacts is $1\frac{3}{8}$ inches. The cover is $2\frac{1}{2}$ inches square and $1\frac{3}{4}$ inches high.

Adapters for Push Switches on Panel Boards

Regular push switches, No. 2082, can be mounted directly on the buss-bars of panel boards by the use of formed brass legs.

038587	2272	Buss-bar connector for push switch04
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Metal Cap Rotary Panel Board Switches—10 Amperes, 250 Volts

These are double-pole rotary surface switches with specially formed bases to fit the buss-bars of different makes of panel boards. The supporting screws are inserted through the center of the tubular binding posts and screw into the buss-bars, thus acting as conductors. The standard finish of covers is polished copper and the standard finish of bases is white glazed porcelain. Bases in black glazed or in chocolate glazed porcelain bear an additional charge of 10 cents list.

68586	2955	D. P., ind., square base with square corners.....	100	53	.91
68587	2956	D. P., ind., round base	100	53	.86
68588	2958	D. P., ind., square base with rounded corners	100	53	.91

COMBINATION FUSED SWITCHES AND CUT-OUTS

For Two and Three-Wire Systems

No. 1022 is used to control a two-wire single branch circuit that is tapped off a two-wire main circuit.

No. 1122 is similar to No. 1022, except that the grooved part of the porcelain base that receives the two main wires is so shaped that any two No. 1122's can be fitted together so as to receive three main wires. Therefore the No. 1122 switches are always used in pairs on a three-wire main circuit as a "three-wire to two-wire, double branch cut-out," each branch being separately fused and being separately controlled by a switch.

The bases of the Nos. 1022 and 1122 are equipped with a removable porcelain wedge fitted into the bottom of the porcelain bases and its use permits the switches to be used on either concealed or exposed or molding branch circuits.

The branch circuit passes through two 10-ampere, 250-volt fuses before it reaches the switch.

The fuses are separated from the switch by a porcelain barrier and are enclosed under the cover of the switch. When specified, two 10-ampere, 250-volt spring clip contact cartridge fuses, $1\frac{1}{2}$ inches long, will be furnished with each switch.

Double-Pole—10-Amperes, 250-Volts

68589	1022	For two wires, indicating	10	25	1.60
68590	1122	For three wires, indicating	10	25	1.60
68591	1023	10-amp. fuse for above switches	20	1	.25

Holes for supporting screws are spaced $3\frac{3}{4}$ in. on centers. Diam. of base, $3\frac{1}{8}$ in.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



H & H SWITCHES



PENDENT SWITCHES

Single-pole—6 Amperes, 125 Volts; 3 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs.	Price Each
097012	2532	.....	100	32	\$0.50



No. 2532

These switches are provided with a double bushing, the inner one having a hole $\frac{3}{8}$ inch in diameter, suitable for No. 16 gauge lamp cord. This inner bushing can be removed when a larger cord is to be used, leaving another bushing with a hole $\frac{1}{2}$ inch, suitable for No. 16 gauge re-enforced portable cord. One button is black and one is red.

Standard finish is brush brass. No extra charge for polished brass finish. For other finishes, except gold and silver, add 10 cents to list price.

AUTOMATIC DOOR SWITCHES

Single-pole—6 Amperes, 125 Volts; 3 Amperes, 250 Volts

For automatically operating a light upon the opening and closing of a door.

038615	2022	Light on when door is open	30	22	2.25
038616	2023	Light on when door is closed...	10	10	2.25



No. 2022

The shell of the switch is of sheet steel .081 inch in thickness.

Dimensions of plate, $3\frac{3}{4} \times 1\frac{1}{4}$ inches. Opening required, $2\frac{5}{8} \times 1\frac{1}{8}$ inches. Depth, $1\frac{3}{4}$ inches.

H & H PORCELAIN SUB-BASES

For 5-ampere Switches

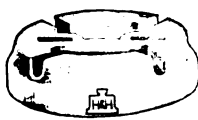
097013	2987	For cleat work	100	32	.05
097014	2988	For concealed work	100	30	.05
097015	2989	For molding work	100	28	.05
097016	2990	For molding terminal	100	30	.05



No. 2990

For 10-ampere Switches

097017	2991	For cleat work	100	46	.06
097018	2992	For concealed work	100	42	.06
097019	2993	For molding work	100	42	.06
097020	2994	For molding terminal	100	46	.06



No. 2991

Combination Style of Sub-bases

Designed to use on either cleat, concealed or molding circuits. It is necessary to carry only this one style in stock to meet all these conditions.

020024	1554	For 5-ampere switches	100	25	.05
020025	1556	For 5 and 10-ampere switches ..	100	30	.06
020026	1558	For 20 and 30-ampere switches ..	30	30	.15



No. 1556

H & H WOOD MATS

For Flush, Rotary and Push Button Switches and Receptacles

Trade No.	Mfrs. No.	No. of Switches	Std. Pkg.	Wt., Lbs. Std., Pkg.	Price Each
036652	2281	1	*	18	\$0.30
036653	2282	2	*	15	.50
036654	2283	3	*	15	.70
036655	2284	4	*	15	.90
036656	2285	5	*	15	1.10
036657	2286	6	*	15	1.30
036658	2287	7	*	15	1.50
036659	2288	8	*	15	1.70



No. 2281

The above prices are for pine or oak mats. Mahogany or cherry mats can be furnished in the above sizes for 10 cents each in addition to the above prices.

*100 single wood mats or their equivalent in gangs shall constitute a standard package.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



H & H SWITCH SPECIALTIES



WALL CASE SCREW EXTENSIONS



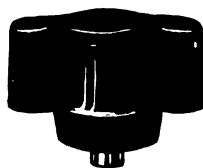
No. 3010 No. 3009



No. 5001



No. 5002



No. 5004



No. 2910



No. 2157

These are hollow studs used to bring up the switch flush with the wall where the wall case is set too far back from the surface of the wall. They are tapped for $\frac{1}{8}$ -inch supporting screws and are made in $\frac{1}{4}$ and $\frac{3}{4}$ -inch lengths and by using several of these on a screw, any desired extension can be obtained.

Trade No.	Mfrs. No.	Length Inches	Price per 100	Trade No.	Mfrs. No.	Length Inches	Price per 100
68648	3009	$\frac{1}{4}$	\$1.60	68649	3010	$\frac{3}{4}$	\$2.10

LOCK ATTACHMENTS FOR ROTARY SWITCHES

Any rotary switch, either surface or a flush, can be made a lock switch by removing handle and screwing on lock attachment. Special plate or cover not required.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt. Lbs.	Price Each
020027	5001	Lock attachment only, for 5 and 10-amp., 250-v. switches, and for 3 and 5-amp., 600-v. switches	100	3	\$0.16
020028	5010	Lock attachment only, for 20-amp., 250-v. switches, and for 15 and 20-amp., 600-v. switches	100	3	.16
020029	5009	Lock attachment only, for 30-amp., 250-v. switches, and for 10-amp., 600-v. switches	100	3	.16
020030	5002	Lock key only, to fit all the above lock attachments	100	3	.06

In ordering switches with lock attachments, either surface or flush switches, add the word "Lock" to the trade number.

HANDLES FOR ROTARY SWITCHES

68650	5004	Handle of rubber composition, for 5 and 10-amp., 250-v. switches, and for 3 and 5-amp., 600-v. switches	100	2	.06
68651	2910	Round handle of rubber composition, for 5 and 10-amp., 250-v. switches, and for 3 and 5-amp., 600-v. switches	100	2 $\frac{1}{4}$	.06
68652	5005	Handle of rubber composition, for 20-amp., 250-v. switches, and for 15 and 20-amp., 600-v. switches	100	3 $\frac{1}{2}$	.06
68653	4242	Handle of rubber composition, for 30-amp., 250-v. switches, and for 10-amp., 600-v. switches	100	4	.06
68654	2156	Handle of porcelain, for 5 and 10-amp., 250-v. switches, and for 3 and 5-amp., 600-v. switches	100	3	.06
68655	2157	Handle of porcelain, for 20-amp., 250-v. switches, and for 15 and 20-amp., 600-v. switches	100	5	.06
68656	2218	Handle of porcelain, for 30-amp., 250-v. switches, and for 10-amp., 600-v. switches	100	5	.06

UNREMOVABLE HANDLES

A handle called a clutch handle can be supplied on 5 and 10-ampere, 250-volt switches, except on the small 5-ampere switches Nos. 2148, 2161, 2162 and 2163, and switches with porcelain covers. It can also be supplied on 3 and 5-ampere, 600-volt switches.

The clutch handle is turned in the regular way to operate the switch, but can be turned backward without dropping off and cannot be removed until a small screw is taken out.

Clutch handles can be attached to switches only at the factory at an extra charge of 15 cents and must be plainly specified on orders.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS PENDENT SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

TYPE T PENDENT SWITCHES

SINGLE-POLE

6 Amperes, 125 Volts—3 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
17609	2572	Pendent cap.	10	100	30	\$0.50
17610	2573	1/8-inch cap.	10	100	30	.50
17611	2574	3/8-inch cap.	10	100	30	.60

6 Amperes, 125 Volts—3 Amperes, 250 Volts

071441	2370	Pendent cap.	10	100	30	.50
071442	2250	1/8-inch cap.	10	100	30	.50
071443	2270	3/8-inch cap.	10	100	35	.60

10 Amperes, 125 Volts—5 Amperes, 250 Volts

071444	2359	Pendent cap.	10	100	45	.80
071445	2353	1/8-inch cap.	10	100	45	.80
071446	2354	3/8-inch cap.	10	100	47	.90

STRAIGHT-THROUGH SWITCHES

SINGLE-POLE

6 Amperes, 125 Volts—3 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
17668	2592	Single-pole.	10	50	13	\$0.60

DOUBLE-POLE

10 Amperes, 250 Volts

071199	2454	Double-pole.	10	30	10	1.20
071200	2490	Double-pole, indicating	10	30	10	1.30

SERIES MULTIPLE HEAT REGULATING, SINGLE-POLE

Operating High, Medium, Low, Off

5 Amperes, 125 Volts—2 Amperes, 250 Volts

17669	2678	Three-heat switch..	10	10	12	1.30
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Straight-through switches can also be supplied to make the same connections as Nos. 2176, 2183, 2216, 2649, 2653, 2657, 2185, 2664 and 2570 listed on other pages.

The standard finish on all the above switches is brush brass, which will be supplied on all orders where no finish is specified. Switches will be finished in polished brass, when specified, at the same price. For switches in any other finish, add 10 cents to the list price.



No. 2572



No. 2370



No. 2592



No. 2454

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS PULL SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

PERKINS CEILING PULL SWITCHES

Trade No.	Mfrs. No.	Description	AMPERES		Carton	Std. Pkg.	Wt., Lbs.	Price Each
			125 Volts	250 Volts				
065497	2387	Single-pole, solid.....	10	5	10	30	20	\$1.00
065498	2309	Single-pole, slotted.....	10	5	10	30	20	1.00
065499	2388	Three-point, solid.....	10	5	10	10	8	1.18
065500	2310	Three-point, slotted....	10	5	10	10	8	1.18
065501	2389	Four-point, solid.....	10	5	1	5	4	1.18
065502	2311	Four-point, slotted....	10	5	1	5	4	1.18
065503	*2390	2-cir. electrolier, solid..	10	5	1	5	4	1.18
065504	*2312	2-cir. electrolier, slotted	10	5	1	5	4	1.18
065505	†2395	3-cir. electrolier, solid..	10	5	1	5	4	1.18
065506	†2313	3-cir. electrolier, slotted	10	5	1	5	4	1.18
065507	2396	Double-pole, solid.....	10	10	10	10	8	1.18
065508	2314	Double-pole, slotted....	10	10	10	10	8	1.18

Outside diameter of base is $2\frac{1}{4}$ inches.Holes for supporting screws are spaced $1\frac{1}{4}$ inches on centers.

PERKINS WALL PULL SWITCHES

17646	2546	Single-pole, solid.....	10	5	10	30	20	1.00
17647	2547	Single-pole, slotted....	10	5	10	30	20	1.00
17648	2548	Three-point, solid.....	10	5	10	10	8	1.18
17649	2549	Three-point, slotted....	10	5	10	10	8	1.18
17650	2550	Four-point, solid.....	10	5	1	5	4	1.18
17651	2560	Four-point, slotted....	10	5	1	5	4	1.18
17652	*2561	2-cir. electrolier, solid..	10	5	1	5	4	1.18
17653	*2562	2-cir. electrolier, slotted	10	5	1	5	4	1.18
17654	†2563	3-cir. electrolier, solid..	10	5	1	5	4	1.18
17655	†2564	3-cir. electrolier, slotted	10	5	1	5	4	1.18
17656	2565	Double-pole, solid.....	10	10	10	10	8	1.18
17657	2566	Double-pole, slotted....	10	10	10	10	8	1.18

Outside diameter of base is $2\frac{1}{4}$ inches.Holes for supporting screws are spaced $1\frac{1}{4}$ inches on centers.

The above switches can also be supplied to make the same connections as Nos. 2649, 2653, 2657 and 2664 listed on other pages.

TYPE O PULL SWITCHES

With $\frac{1}{4}$ -inch Cap								
078545	2515	Single-pole.....	10	5	10	30	12	1.30
With $\frac{1}{4}$ -inch Cap								
065509	2473	Single-pole.....	10	5	10	30	12	1.30
065510	2474	Three-point.....	10	5	10	10	4	1.30
065511	2475	Four-point.....	5	2	10	10	4	1.30
065512	*2476	2-circuit electrolier.....	5	2	10	10	4	1.30
065513	†2477	3-circuit electrolier.....	5	2	10	10	4	1.30
065514	2478	Double-pole.....	10	10	10	10	4	1.30
065515	2479	Two-speed fan motor..	10	5	10	10	4	1.30
065516	2480	Three-speed fan motor..	10	5	10	10	4	1.30
With Hickey Cap for Fixture Use								
078537	2507	Single-pole.....	10	5	10	30	14	1.30
078538	2508	Three-point.....	10	5	10	10	5	1.30
078539	2509	Four-point.....	5	2	10	10	5	1.30
078540	*2510	2-circuit electrolier.....	5	2	10	10	5	1.30
078541	†2511	3-circuit electrolier.....	5	2	10	10	5	1.30
078542	2512	Double-pole.....	10	10	10	10	5	1.30
078543	2513	Two-speed fan motor..	10	5	10	10	5	1.30
078544	2514	Three-speed fan motor..	10	5	10	10	5	1.30

*The operation of this switch is 1-2-1 & 2-off.

†The operation of this switch is 1-1 & 2-1 & 2 & 3-off.

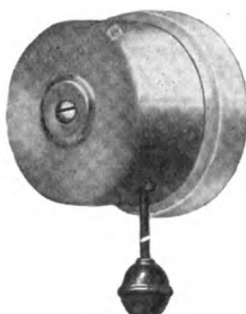
Type O switches can also be supplied to make the same connections as Nos. 2626, 2628, 2629 and 2630 listed on another page.

The standard finish of Type O switches is brush brass, which will be supplied on all orders where no finish is specified. Switches will be finished in polished brass, when specified, at the same price. For switches in any other finish, add 10 cents to list price.

Each switch supplied with 10 feet of best quality linen cord. Extra cord, 1 cent list per foot.



No. 2387



No. 2546



No. 2473



No. 2507

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS PENDENT SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

TYPE O PENDENT SWITCHES



No. 2440

SINGLE-POLE

10 Amperes, 125 Volts—5 Amperes, 250 Volts

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
071447	2440	Pendent cap	10	30	15	\$1.20
17612	2544	$\frac{1}{8}$ -inch cap	10	30	15	1.20
071449	2464	$\frac{3}{8}$ -inch cap	10	30	15	1.30
071448	2495	Pendent cap, indicating	10	30	15	1.30
17613	2545	$\frac{1}{8}$ -inch cap, indicating	10	30	15	1.30
071450	2501	$\frac{3}{8}$ -inch cap, indicating	10	30	15	1.40

DOUBLE-POLE

10 Amperes, 250 Volts

071463	2421	Pendent cap	10	10	5	1.20
071464	2498	Pendent cap, indicating	10	10	5	1.30
071465	2469	$\frac{3}{8}$ -inch cap	10	10	5	1.30
071466	2504	$\frac{3}{8}$ -inch cap, indicating	10	10	5	1.40

THREE-POINT

10 Amperes, 125 Volts—5 Amperes, 250 Volts

071451	2417	Pendent cap	10	10	5	1.20
071452	2465	$\frac{3}{8}$ -inch cap	10	10	5	1.30

FOUR-POINT

5 Amperes, 125 Volts—2 Amperes, 250 Volts

071453	2418	Pendent cap	10	10	5	1.20
071454	2466	$\frac{3}{8}$ -inch cap	10	10	5	1.30

ELECTROLIER

5 Amperes, 125 Volts—2 Amperes, 250 Volts

Two-circuit, Operating 1-2-1 & 2-off

071455	2419	Pendent cap	10	10	5	1.20
071456	2496	Pendent cap, indicating	10	10	5	1.30
071457	2467	$\frac{3}{8}$ -inch cap	10	10	5	1.30
071458	2502	$\frac{3}{8}$ -inch cap, indicating	10	10	5	1.40

Three-circuit, Operating 1-1 & 2-1 & 2 & 3-off

071459	2420	Pendent cap	10	10	5	1.20
071460	2497	Pendent cap, indicating	10	10	5	1.30
071461	2468	$\frac{3}{8}$ -inch cap	10	10	5	1.30
071462	2503	$\frac{3}{8}$ -inch cap, indicating	10	10	5	1.40

FOR SPEED CONTROL OF FAN MOTORS AND OTHER SMALL MOTORS

10 Amperes, 125 Volts—5 Amperes, 250 Volts

Two-speed, Operating 1-2-off

071467	2422	Pendent cap	10	10	5	1.20
071468	24 9	Pendent cap, indicating	10	10	5	1.30
071469	2470	$\frac{3}{8}$ -inch cap	10	10	5	1.30
071470	2505	$\frac{3}{8}$ -inch cap, indicating	10	10	5	1.40

Three-speed, Operating 1-2-3-off

071471	2423	Pendent cap	10	10	5	1.20
071472	2500	Pendent cap, indicating	10	10	5	1.30
071473	2471	$\frac{3}{8}$ -inch cap	10	10	5	1.30
071474	2506	$\frac{3}{8}$ -inch cap, indicating	10	10	5	1.40

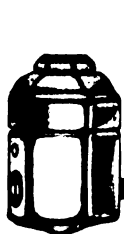
The above switches can also be supplied to make the same connections as Nos. 2649, 2653, 2657, 2661, 2669 and 2570 listed on other pages.

The standard finish of pendent switches is brush brass, which will be supplied on all orders where no finish is specified. Switches will be finished in polished brass at same price. For switches in any other finish, add 10 per cent to list price.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H PUSH BUTTON SWITCHES

NATIONAL ELECTRICAL CODE STANDARD



No. 7000



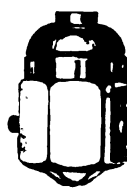
No. 7010



No. 7020



No. 7001



No. 7006



No. 7007



No. 7021



No. 7040



No. 7044



No. 7050

PENDENT SWITCHES

All Porcelain. Standard Finish, Gray, White or Brown when Specified

Trade No.	Mfrs. No.	Description	CAP., 125V.	AMPS. 250V.	Std. Pkg.	Wt., Lbs. Std.	Price Each
020588	7000	Single-pole.....	6	3	100	30	\$0.50
020589	7010	Single-pole.....	10	5	100	45	.70
27509	7020	Two-circuit.....	6	3	50	34	1.00

Brass Cap. Threaded for 1/8-inch Pipe

020590	7001	Single-pole.....	6	3	100	38	.55
020591	7004	Three-point.....	6	3	50	20	.70

Brass Cap. Threaded for 1/8-inch Pipe

020592	7002	Single-pole.....	6	3	100	38	.60
020593	7005	Three-point.....	6	3	50	20	.75

Brass Cap. Bushed for Pendent Cord

020594	7003	Single-pole.....	6	3	100	38	.55
020595	7006	Three-point.....	6	3	50	20	.70

Standard package may contain assortment of standard colors.

All Brass, Acorn Design

020257	7007	Single-pole.....	6	3	100	15	.50
020596	7021	Two-circuit.....	6	3	50	20	1.00

Standard finish, polished brass. Brush brass furnished at the same price. For switches in any other finish, add 10 cents to list price.

FEED-THROUGH OR CORD SWITCHES

Brass Shell, Polished Nickel

Trade No.	Mfrs. No.	Description	CAP., 125V.	AMPS. 250V.	Std. Pkg.	Wt., Lbs. Std.	Price Each
020602	7040	Single-pole.....	6	3	100	15	\$0.60
27508	7044	Three-heat, two-circuit.....	6	3	50	20	1.00

Molded Thermoplas

27510	7050	Single-pole.....	6	3	100	15	.45
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*Standard Package Discount will be Allowed on the Following Assortments

100 Nos. 7001, 7002 and 7003, in unbroken cartons containing 10 each.

50 Nos. 7004, 7005 and 7006, in unbroken cartons containing 10 each.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H PUSH-BUTTON SPECIALTIES



No. 7150



No. 7151



No. 7141



No. 7152



No. 7155

PUSH-BUTTON CANDELABRA SWITCHES

 $\frac{1}{2}$ Ampere, 125 Volts

Trade No.	Mfrs. No.	Description	Carton	Pkg.	Std.*	Wt., Lbs.	Price
058184	7150	Stem for 4-inch candle.....	20	100	20	20	\$0.90
Extra stems, 6 cents each. Std. pkg., 50. Extra push bars, 10 cents each.							

PUSH-AND-PULL CANOPY SWITCHES

3 AMPERES, 125 VOLTS; 1 AMPERE, 250 VOLTS

Push Button in to Close Circuit

058185	7151	For sheet canopy	20	100	15	.75
41133	7141	Like No. 7151 but with removable button.....	20	100	15	.75
058186	7152	For cast canopy	20	100	15	.80
41134	7142	Like No. 7152 but with removable button.....	20	100	15	.80
058251	7155	For bottom shell, with knob threaded $\frac{1}{4}$ in. x27 to receive standard bottom fixture knob....	20	100	15	.80
060022	7156	Steel yoke to mount No. 7155 in bottom shell... Pull Button Out to Close Circuit	50	50	1	.05
41128	7157	For sheet canopy.....	20	100	15	.75
41129	7158	For cast canopy.....	20	100	15	.80

Std. finish, pol. brass; brush brass or nickel, no extra charge.

AUTOMOBILE LIGHTING SWITCHES

Switches only, without Plates—10 Amperes, 80 Volts

058187	7160	Single switch.....	20	100	...	.56
058188	7172	Gang of two switches.....	10	50	...	1.12
058189	7173	Gang of three switches.....	6	30	...	1.68
058190	7174	Gang of four switches.....	5	25	...	2.24
41131	7177	Series parallel switch	10	50	...	1.40

Switches only, without Plates—6 Amperes, 40 Volts; 3 Amperes, 80 Volts

41127	7170	Single three-way switch.....	20	100	...	1.00
Struck Up Plates for Automobile Lighting Switches						
058191	7161	For single switch.....	...	100	...	.12
058192	7162	For gang of two switches.....	...	50	...	.24
058193	7163	For gang of three switches.....	...	30	...	.36
058194	7164	For gang of four switches.....	...	25	...	.48
41132	7178	Special plate for No. 7177.....	...	50	...	.36

FINISHES: Polished nickel furnished unless otherwise ordered. Black enamel, brush brass, or polished brass furnished without extra charge. Switch buttons are furnished in same finishes. With black enamel plates polished nickel buttons are furnished.

AUTOMOBILE DOOR SWITCHES

With Flush Plate and Strike Plate—5 Amperes, 80 Volts

41121	7195	Single-pole	20	100	...	1.00
41130	7196	Three-wire	20	100	...	1.08

STANDARD DOOR SWITCHES

6 AMPERES, 125 VOLTS; 3 AMPERES, 250 VOLTS

With Plate and Approved Box for No. 14 Two-wire Armored Cable

058195	7240	Circuit closed when door is open..	5	25	20	2.25
058196	7241	Circuit closed when door is closed.	5	25	20	2.25

NOTE.—The box is $1\frac{1}{4}$ inches wide by $2\frac{3}{4}$ inches long. The plate is $4\frac{5}{8}$ inches by $1\frac{1}{4}$ inches and will fit no other box.

Without Box, but with Universal Plate

058197	7245	Circuit closed when door is open..	5	25	20	2.00
058198	7246	Circuit closed when door is closed.	5	25	20	2.00

NOTE.—The universal plate is $5\frac{3}{8}$ inches by $1\frac{3}{8}$ inches. With this plate and the yoke by which it is attached to the switch, any door switch box may be used, regardless of distance between screw holes.

*Standard Package Discount will be Allowed on the Following Assortments

100 Nos. 7151, 7152 and 7155, 7157 and 7158 in unbroken cartons containing 20 each.

25 Nos. 7240, 7241, 7245 and 7246, in unbroken cartons containing 5 each.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Nos. 7160 and 7161



No. 7195



No. 7240

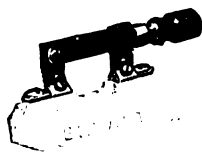


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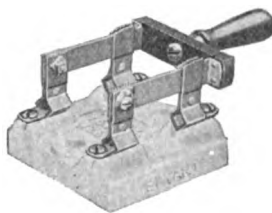
BRYANT BABY KNIFE SWITCHES

SCHEDULE H 125 VOLTS

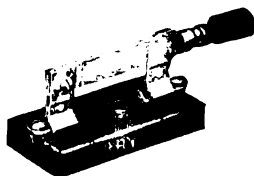
MOUNTED ON PORCELAIN BASE



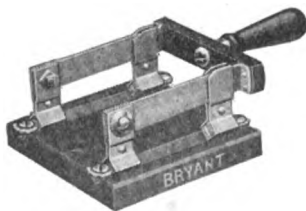
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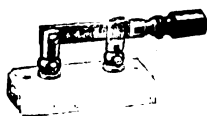
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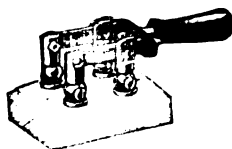
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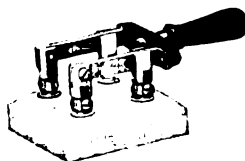
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No. 1001



No. 974



No. 1102

Trade No.	Mfrs. No.	Capacity Amperes	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
Single-pole, Single-throw						
094982	1436	15	10	100	40	\$0.34
094983	1437	30	10	100	45	.44
Single-pole, Double-throw						
094984	1454	15	10	50	25	.60
094985	1455	30	10	50	27	.74
Double-pole, Single-throw						
094986	1438	15	10	100	65	.42
094987	1439	30	10	100	70	.50
Double-pole, Double-throw						
094988	1456	15	5	50	55	.74
094989	1457	30	5	50	58	.90
Triple-pole, Single-throw						
094990	1440	15	5	25	30	.90
094991	1441	30	5	25	32	1.10

250 VOLTS

MOUNTED ON SLATE BASE

Single-pole, Single-throw						
094992	1636	15	10	100	45	.40
094993	1637	30	10	100	50	.50
Single-pole, Double-throw						
094994	1654	15	5	50	35	.68
094995	1655	30	5	50	37	.84
Double-pole, Single-throw						
094996	1638	15	5	100	100	.50
094997	1639	30	5	100	105	.60
Double-pole, Double-throw						
094998	1656	15	5	50	75	.86
094999	1657	30	5	50	78	1.04
Triple-pole, Single-throw						
095000	1640	15	5	25	40	1.04
095001	1641	30	5	25	45	1.30
Triple-pole, Double-throw						
095002	1658	15	1	10	24	1.40
095003	1659	30	1	10	26	1.64

FOR BATTERY AND TELEPHONE CIRCUITS

TYPE A, MOUNTED ON PORCELAIN BASE

Single-pole, Single-throw						
095004	1001	15	10	100	25	.34
095005	977	30	10	100	27	.44
Single-pole, Double-throw						
095006	1039	15	10	50	18	.60
095007	1040	30	10	50	20	.74
Double-pole, Single-throw						
095008	974	15	10	100	40	.42
Double-pole, Double-throw						
095032	1041	15	5	50	33	.74
095033	1042	30	1	50	35	.90

Triple-pole, Double-throw—Slate Base

095036	1158	15	1	10	15	1.20
095037	1159	30	1	10	17	1.40

TYPE B, MOUNTED ON PORCELAIN BASE

Single-pole, Single-throw						
054067	1245	15	10	100	25	.20
054068	1246	30	10	100	27	.30
Double-pole, Single-throw						
054069	1102	15	10	100	60	.35
054070	1074	30	10	100	65	.44

Mounted switches are plain finish, but will be furnished polished on special order, at 20 per cent advance.

30-ampere switches for 125 and 250-volt circuits are National Electrical Code Standard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT BABY KNIFE SWITCHES

SCHEDULE H
125 VOLTS—UNMOUNTED

Trade No.	Mfra. No.	Capacity Amperes	Style	Cartón	Std. Pkg.	Price Each
095010	1442	15	S. P., S. T.	1	100	\$0.34
095011	1443	30*	S. P., S. T.	1	100	.44
17679	1448	15	S. P., S. T., fusible	1	50	.40
17680	1449	30*	S. P., S. T., fusible	1	50	.51
095012	1460	15	S. P., D. T.	1	50	.60
095013	1461	30*	S. P., D. T.	1	50	.74
17681	1466	15	S. P., D. T., fusible	1	25	.72
17682	1467	30*	S. P., D. T., fusible	1	25	.88
095014	1444	15	D. P., S. T.	1	100	.42
095015	1445	30*	D. P., S. T.	1	100	.50
17683	1450	15	D. P., S. T., fusible	1	50	.54
17684	1451	30*	D. P., S. T., fusible	1	50	.64
095016	1462	15	D. P., D. T.	1	50	.74
095017	1463	30*	D. P., D. T.	1	50	.90
17685	1468	15	D. P., D. T., fusible	1	25	.98
17686	1469	30*	D. P., D. T., fusible	1	25	1.18
095018	1446	15	T. P., S. T.	1	25	.90
095019	1447	30*	T. P., S. T.	1	25	1.10
17687	1452	15	T. P., S. T., fusible	1	25	1.08
17688	1453	30*	T. P., S. T., fusible	1	25	1.31
17689	1464	15	T. P., D. T.	1	10	1.20
17690	1465	30*	T. P., D. T.	1	10	1.40
17691	1470	15	T. P., D. T., fusible	1	10	1.56
17692	1471	30*	T. P., D. T., fusible	1	10	1.82

250 VOLTS—UNMOUNTED

095020	1642	15	S. P., S. T.	1	100	.40
095021	1643	30*	S. P., S. T.	1	100	.50
17693	1648	15	S. P., S. T., fusible	1	50	.46
17694	1649	30*	S. P., S. T., fusible	1	50	.57
095022	1660	15	S. P., D. T.	1	50	.68
095023	1661	30*	S. P., D. T.	1	50	.84
17695	1666	15	S. P., D. T., fusible	1	25	.80
17696	1667	30*	S. P., D. T., fusible	1	25	.98
095024	1644	15	D. P., S. T.	1	100	.50
095025	1645	30*	D. P., S. T.	1	100	.60
17697	1650	15	D. P., S. T., fusible	1	50	.62
17698	1651	30*	D. P., S. T., fusible	1	50	.74
095026	1662	15	D. P., D. T.	1	50	.86
095027	1663	30*	D. P., D. T.	1	50	1.04
17699	1668	15	D. P., D. T., fusible	1	25	1.10
17700	1669	30*	D. P., D. T., fusible	1	25	1.32
095028	1646	15	T. P., S. T.	1	25	1.04
095029	1647	30*	T. P., S. T.	1	25	1.30
17701	1652	15	T. P., S. T., fusible	1	25	1.22
17702	1653	30*	T. P., S. T., fusible	1	25	1.51
095030	1664	15	T. P., D. T.	1	10	1.40
095031	1665	30*	T. P., D. T.	1	10	1.64
17703	1670	15	T. P., D. T., fusible	1	10	1.76
17704	1671	30*	T. P., D. T., fusible	1	10	2.06

TYPE A—FOR BATTERY AND TELEPHONE CIRCUITS, UNMOUNTED

17705	1048	15	S. P., S. T.	1	100	.34
17706	1054	30	S. P., S. T.	1	100	.44
17707	1050	15	S. P., D. T.	1	50	.60
17708	1056	30	S. P., D. T.	1	50	.74
17709	1049	15	D. P., S. T.	1	100	.42
17710	1055	30	D. P., S. T.	1	100	.50
17711	1051	15	D. P., D. T.	1	50	.74
17712	1057	30	D. P., D. T.	1	50	.90
17713	1053	15	T. P., S. T.	1	25	.90
17714	1058	30	T. P., S. T.	1	25	1.10
17715	1150	15	T. P., D. T.	1	10	1.20
17716	1151	30	T. P., D. T.	1	10	1.40

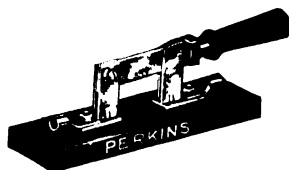
Unmounted switches regularly furnished polished finish with back connections for switchboard $1\frac{1}{4}$ inches thick. Plain finish switches on special order, at the same price.

*National Electrical Code Standard.

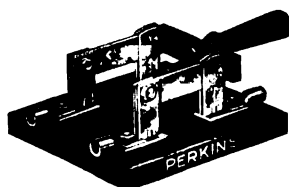
PERKINS TYPE B KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD
SCHEDULE K250 VOLTS D. C. AND 500 VOLTS A. C.—MOUNTED
ON SLATE BASE

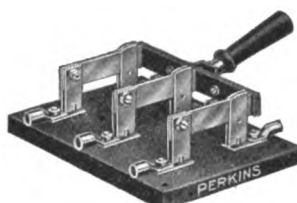
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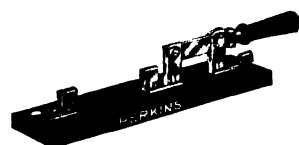
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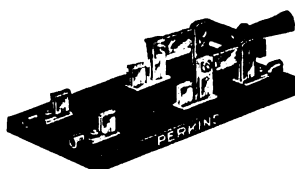
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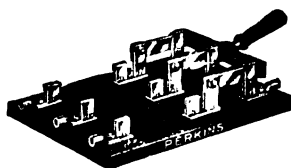
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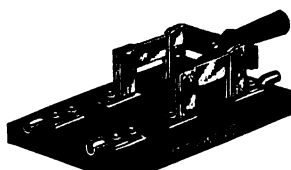
No. 3539



No. 3554



No. 3569



No. 3609

Trade No.	Mfrs. No.	Capacity Amperes	Style	Carton	Wt., Lbs. per 100	Price Each
054071	3531*	30	S. P., S. T.	1	90	\$0.42
054072	3532	60	S. P., S. T.	1	180	.74
054074	3534	100	S. P., S. T.	1	240	1.50
054075	3535	200	S. P., S. T.	1	280	2.70
054076	3008*	30	D. P., S. T.	1	110	.68
054077	3547	60	D. P., S. T.	1	248	1.22
054079	3549	100	D. P., S. T.	1	440	2.50
054080	3550	200	D. P., S. T.	1	800	4.50
054081	3561*	30	T. P., S. T.	1	200	1.02
054082	3562	60	T. P., S. T.	1	400	1.84
054084	3564	100	T. P., S. T.	1	750	3.76
054085	3565	200	T. P., S. T.	1	1300	6.76

*These switches are not approved for use on 500-volt alternating current circuits.

250 VOLTS—MOUNTED ON SLATE BASE

With Connections for Enclosed Fuses at Bottom

054086	3536	30	S. P., S. T.	1	150	.60
054087	3537	60	S. P., S. T.	1	280	1.08
054089	3539	100	S. P., S. T.	1	475	2.18
054090	3540	200	S. P., S. T.	1	700	4.16
054091	3264	30	D. P., S. T.	1	180	.94
054092	3552	60	D. P., S. T.	1	400	1.66
054094	3554	100	D. P., S. T.	1	950	3.36
054095	3555	200	D. P., S. T.	1	1250	6.40
054096	3566	30	T. P., S. T.	1	320	1.40
054097	3567	60	T. P., S. T.	1	650	2.50
054099	3569	100	T. P., S. T.	1	1350	5.25
054100	3570	200	T. P., S. T.	1	1900	9.60

With Connections for Enclosed Fuses at Top

054120	3541	30	S. P., S. T.	1	150	.70
054121	3542	60	S. P., S. T.	1	280	1.18
054123	3544	100	S. P., S. T.	1	475	2.38
054124	3545	200	S. P., S. T.	1	700	4.40
054125	3299	30	D. P., S. T.	1	180	1.06
054126	3557	60	D. P., S. T.	1	400	1.80
054128	3559	100	D. P., S. T.	1	950	3.66
054129	3560	200	D. P., S. T.	1	1250	6.76
054130	3571	30	T. P., S. T.	1	320	1.60
054131	3572	60	T. P., S. T.	1	650	2.70
054133	3574	100	T. P., S. T.	1	1350	5.50
054134	3575	200	T. P., S. T.	1	1900	10.14

With Connections for Open Fuses at Bottom

054105	3601	30	S. P., S. T.	1	125	.60
054106	3602	60	S. P., S. T.	1	140	1.08
054108	3604	100	S. P., S. T.	1	400	2.18
054109	3605	200	S. P., S. T.	1	440	4.16
054110	3009	30	D. P., S. T.	1	190	.94
054111	3607	60	D. P., S. T.	1	200	1.66
054113	3609	100	D. P., S. T.	1	750	3.36
054114	3610	200	D. P., S. T.	1	900	6.40
054115	3611	30	T. P., S. T.	1	360	1.40
054116	3612	60	T. P., S. T.	1	700	2.50
054118	3614	100	T. P., S. T.	1	1200	5.25
054119	3615	200	T. P., S. T.	1	1500	9.60

Type B switches are furnished only mounted and plain finish. Complete dimensions sent on request.

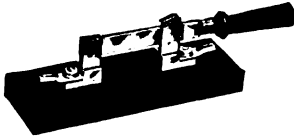
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS TYPE A KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE K

NOT FUSIBLE, 250 VOLTS D. C. OR 500 VOLTS A. C.



No. 3061



No. 3064

MOUNTED ON SLATE BASE

Single-Throw

Single-Pole				Double-Pole			Triple-Pole			Four-Pole		
Cap. Amps.	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
30	047900	3037*	\$0.80	047919	3038*	\$1.20	053901	3039*	\$1.80	.....	.....	.....
60	047902	3061	1.20	047921	3062	1.78	053903	3063	2.68	047901	3592	\$3.56
100	047904	3133	2.25	047923	3134	3.38	053905	3135	5.08	047903	3593	6.76
200	047905	3382	3.48	047925	3397	5.20	053907	3459	7.80	047909	3594	10.40
300	047906	3383	5.34	047927	3399	8.00	053909	3461	12.00	.....	.....	.....
400	.....	.....	.....	047928	3426	12.20	053910	3462	18.30	.....	.....	.....
600	.....	.....	.....	047929	3427	17.30	053911	3463	25.96	.....	.....	.....

Double-Throw

30	054001	3040*	1.18	054008	3041*	1.76	054015	3042*	2.64	.....	.....	.....
60	054003	3064	1.74	054010	3065	2.60	054017	3066	3.90	.....	.....	.....
100	054005	3136	3.34	054012	3137	5.00	054019	3138	7.50	.....	.....	.....
200	054006	3494	5.34	054013	3496	8.00	054020	3498	12.00	.....	.....	.....
300	054007	3495	8.68	054014	3497	13.00	054021	3499	19.50	.....	.....	.....

UNMOUNTED

Single-Throw

30	047940	3085*	.96	047959	3086*	1.74	053942	3087*	2.60	.....	.....	.....
60	047942	3109	1.50	047961	3110	2.70	053944	3111	4.06	047912	3656	5.40
100	047944	3145	2.54	047963	3146	4.60	053946	3147	6.90	047915	3657	9.20
200	047945	3390	3.90	047965	3429	7.10	053948	3465	10.66	047918	3658	14.20
300	047946	3391	5.94	047967	3431	10.80	053950	3467	16.20	.....	.....	.....
400	.....	.....	.....	047968	3432	15.40	053951	3468	23.10	.....	.....	.....
600	.....	.....	.....	047969	3433	22.20	053952	3469	33.30	.....	.....	.....

Double-Throw

30	054034	3088*	1.38	054041	3089*	2.50	054048	3090*	3.75	.....	.....	.....
60	054036	3112	2.04	054043	3113	3.70	054050	3114	5.56	.....	.....	.....
100	054038	3148	3.52	054045	3149	6.40	054052	3150	9.60	.....	.....	.....
200	054039	3500	5.60	054046	3502	10.20	054053	3504	15.30	.....	.....	.....
300	054040	3501	8.58	054047	3503	15.60	054054	3505	23.40	.....	.....	.....

Complete dimensions of these switches will be sent on request.

Mounted switches are plain finish, but will be furnished polished on special order, at 25 per cent advance.

Unmounted switches are furnished in polished finish and with back connections suitable for switchboard 1½ inches thick, unless ordered otherwise. Plain finish switches will be furnished on special order, at 10 per cent reduction.

*These switches are not approved for use on 500-volt alternating current circuits.

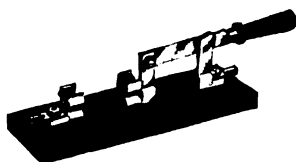
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS TYPE A KNIFE SWITCHES

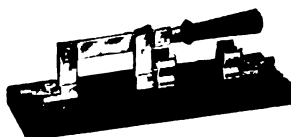
NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE K

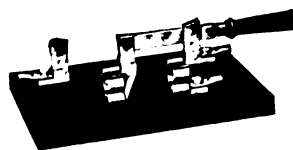
FOR ENCLOSED FUSES



No. 3229



No. 3271



No. 3507

MOUNTED ON SLATE BASE—250 VOLTS

Single-Throw, for Enclosed Fuses at Bottom

Single-Pole				Double-Pole				Triple-Pole				Four-Pole			
Cap. Amps.	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each		Trade No.	Mfrs. No.	Price Each		Trade No.	Mfrs. No.	Price Each	
30	047907	3228	\$1.08	047930	3236	\$1.60		053912	3244	\$2.40		053893	3595†	4.72	
60	047908	3229	1.58	047931	3237	2.36		053913	3245	3.54		053895	3596†	9.48	
100	047910	3231	3.16	047933	3239	4.74		053915	3247	7.10		053897	3597†	14.64	
200	047911	3384	4.88	047935	3435	7.32		053917	3471	10.98					
400	.....	.....	.....	047938	3438	16.20		053920	3474	24.30					
600	.....	.....	.....	047939	3439	22.30		053921	3475	33.46					

Single-Throw, for Enclosed Fuses at Top

30	047913	3270	1.18	053891	3278	1.76		053922	3291	2.64		053898	3598†	5.20	
60	047914	3271	1.74	053892	3279	2.60		053923	3292	3.90		053902	3599†	10.00	
100	047916	3273	3.34	053894	3281	5.00		053925	3294	7.50		053904	3600†	15.40	
200	047917	3388	5.14	053896	3441	7.70		053927	3477	11.56					
400	.....	.....	.....	053899	3444	17.46		053930	3480	26.20					
600	.....	.....	.....	053900	3445	24.50		053931	3481	36.75					

Double-Throw, for Enclosed Fuses

30	054022	3506	2.28	054028	3512	3.40		.....	.....	.....		.....	.....	.....
60	054023	3507	3.08	054029	3513	4.60		.....	.....	.....		.....	.....	.....
100	054025	3509	6.20	054031	3515	9.30		.....	.....	.....		.....	.....	.....
200	054026	3510	9.34	054032	3516	14.00		.....	.....	.....		.....	.....	.....

†These four-pole switches are approved for use on 500-volt alternating current circuits.

UNMOUNTED—250 VOLTS D. C. OR 500 VOLTS A. C.

Single-Throw for Enclosed Fuses at Bottom

30	047947	3232*	1.14	047970	3240*	2.06		053953	3248*	3.10		053906	3659	6.60	
60	047948	3233*	1.82	047971	3241*	3.30		053954	3249*	4.96		053908	3660	12.20	
100	047950	3235	3.36	047973	3243	6.10		053956	3263	9.16		053918	3661	18.40	
200	047951	3392	5.06	047975	3447	9.20		053958	3483	13.80					
400	.....	.....	.....	047978	3450	19.68		053961	3486	29.52					
600	.....	.....	.....	047979	3451	28.24		053962	3487	42.36					

Single-Throw, for Enclosed Fuses at Top

30	047953	3274*	1.24	053932	3282*	2.24		053963	3295*	3.36		053914	3662	6.84	
60	047954	3275*	1.88	053933	3283*	3.42		053964	3296*	5.14		053916	3663	12.80	
100	047956	3277	3.52	053935	3290	6.40		053966	3298	9.60		053924	3664	19.32	
200	047957	3394	5.32	053937	3453	9.66		053968	3489	14.50					
400	.....	.....	.....	053940	3456	20.50		053971	3492	30.75					
600	.....	.....	.....	053941	3457	29.74		053972	3493	44.62					

Double-Throw, for Enclosed Fuses

30	054055*	3518*	2.64	054061	3524*	4.80		.....	.....	.....		.....	.....	.....
60	054056	3519*	3.08	054062	3525*	5.60		.....	.....	.....		.....	.....	.....
100	054058	3521	5.50	054064	3527	10.00		.....	.....	.....		.....	.....	.....
200	054059	3522	8.58	054065	3528	15.60		.....	.....	.....		.....	.....	.....

Complete dimensions of these switches will be sent on request.

Mounted switches are plain finish, but will be furnished polished on special order, at 25 per cent advance.

Unmounted switches are furnished in polished finish and with back connections suitable for switchboard 1½ inches thick, unless ordered otherwise. Plain finish switches will be furnished on special order, at 10 per cent reduction.

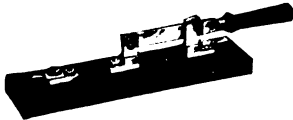
*These switches are not approved for use on 500-volt alternating current circuits.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS TYPE A KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD
SCHEDULE K

250 VOLTS—MOUNTED ON SLATE BASE



No. 3067



No. 3070

Single-Throw, for Open Fuses at Bottom

Cap. Ampe.	Trade No.	Single-Pole			Trade No.	Double-Pole			Trade No.	Triple-Pole		
		Mfrs. No.	Wt., Lbs. per 100	Price Each		Mfrs. No.	Wt., Lbs. per 100	Price Each		Mfrs. No.	Wt., Lbs. per 100	Price Each
30	17551	3043	200	\$1.08	17554	3044	270	\$1.60	17558	3045	440	\$2.40
60	17552	3067	300	1.58	17556	3068	560	2.36	17559	3069	800	3.54
100	17553	3139	450	3.16	17557	3140	850	4.74	17560	3141	1400	7.10

Double-Throw, for Open Fuses

30	17561	3046	225	2.28	17564	3047	575	3.40	17567	3048	425	5.10
60	17562	3070	425	3.08	17565	3071	1000	4.60	17568	3072	1250	6.90
100	17563	3142	600	6.20	17566	3143	1300	9.30	17569	3144	1850	13.96

250 VOLTS—UNMOUNTED

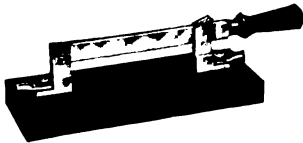
Single-Throw, for Open Fuses at Bottom

30	17570	3091	...	1.14	17573	3092	...	2.06	17576	3093	...	3.10
60	17571	3115	...	1.82	17574	3116	...	3.30	17577	3117	...	4.96
100	17572	3151	...	3.36	17575	3152	...	6.10	17578	3153	...	9.16

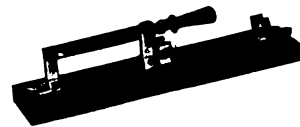
Double-Throw, for Open Fuses

30	17579	3094	...	2.64	17582	3095	...	4.80	17585	3096	...	7.20
60	17580	3118	...	3.08	17583	3119	...	5.60	17586	3120	...	8.40
100	17581	3154	...	5.50	17584	3155	...	10.00	17587	3156	...	15.00

600 VOLTS—MOUNTED ON SLATE BASE



No. 3216



No. 3366

Single-Throw, Not Fusible

30	17588	3215	200	1.18	17590	3217	600	2.12	.....	.....	...	.....
60	17589	3216	275	1.28	17591	3218	825	2.30	.....	.....	...	.....

Single-Throw, for Enclosed Fuses at Bottom

30	17593	3265	375	1.72	17595	3267	1000	3.12	.....	.....	...	.....
60	17594	3266	450	1.92	17596	3268	1350	3.50	.....	.....	...	.....

Single-Throw, for Enclosed Fuses at Top

30	17597	3365	375	1.84	17599	3367	1050	3.32	.....	.....	...	.....
60	17598	3366	450	2.04	17600	3368	1350	3.70	.....	.....	...	.....

Mounted switches are plain finish, but will be furnished polished on special order, at 25 per cent advance.

Unmounted switches are furnished in polished finish and with back connections suitable for switchboard 1½ inches thick, unless ordered otherwise. Plain finish switches will be furnished on special order, at 10 per cent reduction.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PUNCHED CLIP KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—250 AND 600 VOLTS

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON OILED SLATE BASE

SINGLE-POLE, SINGLE-THROW



250 VOLTS

No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540890	\$0.42
60	540891	.74
100	540892	1.50
200	540893	2.70

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540898	\$0.70
60	540899	1.18
100	540900	2.38
200	540901	4.40

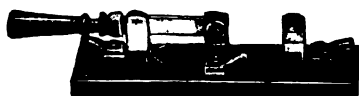
600 VOLTS—WITH QUICK BREAK BLADES

30	540902	1.08	30	540910	1.70
60	540903	1.20	60	540911	1.96
100	540904	2.16	100	540912	3.60
200	540905	4.20	200	540913	6.50

600 VOLTS—WITHOUT QUICK BREAK BLADES

30	540914	.80	30	540920	1.40
60	540915	.96	60	540921	1.70
100	540916	1.90	100	540922	3.25

SINGLE-POLE, DOUBLE-THROW



250 VOLTS

No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540923	\$0.76
60	540924	1.30
100	540925	2.94
200	540926	4.88

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540927	\$1.54
60	540928	2.38
100	540929	5.18
200	540930	9.80

600 VOLTS—WITHOUT QUICK BREAK BLADES

30	540931	1.66	30	540934	3.30
60	540932	1.90	60	540935	3.75
100	540933	3.90	100	540936	7.50

Fuses are not included in above prices.

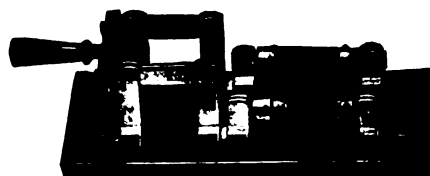
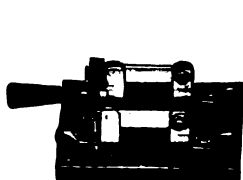
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PUNCHED CLIP KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—250 AND 600 VOLTS

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON OILED SLATE BASE

DOUBLE-POLE, SINGLE-THROW



250 VOLTS

No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540937	\$0.68
60	540938	1.22
100	540939	2.50
200	540940	4.50

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540945	\$1.06
60	540946	1.80
100	540947	3.66
200	540948	6.76

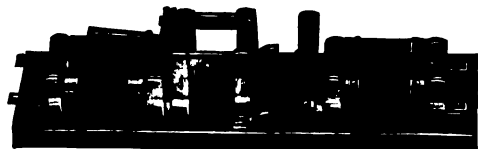
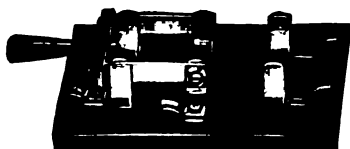
600 VOLTS—WITH QUICK BREAK BLADES

30	540949	1.80	30	540957	2.60
60	540950	2.00	60	540958	3.00
100	540951	3.60	100	540959	5.50
200	540952	7.00	200	540960	10.00

600 VOLTS—WITHOUT QUICK BREAK BLADES

30	540961	1.34	30	540967	2.20
60	540962	1.60	60	540968	2.60
100	540963	3.16	100	540969	5.00

DOUBLE-POLE, DOUBLE-THROW



250 VOLTS

No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540970	\$1.16
60	540971	2.00
100	540972	4.50
200	540973	7.50

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540974	\$2.20
60	540975	3.40
100	540976	7.40
200	540977	13.00

600 VOLTS—WITHOUT QUICK BREAK BLADES

30	540978	2.20	30	540981	4.40
60	540979	2.60	60	540982	5.00
100	540980	5.20	100	540983	10.00

Fuses are not included in above prices.

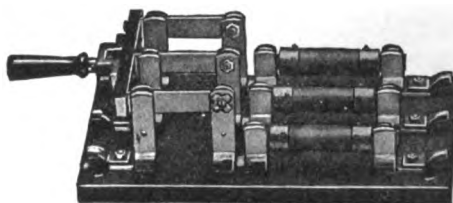
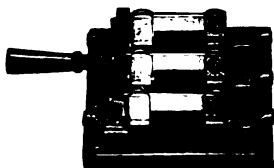
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PUNCHED CLIP KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—250 AND 600 VOLTS

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON OILED SLATE BASE

THREE-POLE, SINGLE-THROW



250 VOLTS

No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540984	\$1.02
60	540985	1.84
100	540986	3.76
200	540987	6.76

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540992	\$1.60
60	540993	2.70
100	540994	5.50
200	540995	10.14

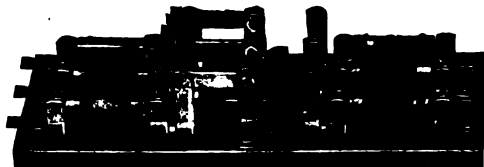
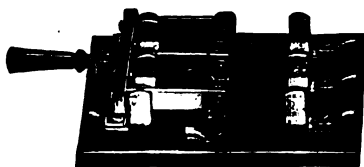
600 VOLTS—WITH QUICK BREAK BLADES

30	540996	2.80	30	541004	4.16
60	540997	3.10	60	541005	4.80
100	540998	5.60	100	541006	8.80
200	540999	10.86	200	541007	16.00

600 VOLTS—WITHOUT QUICK BREAK BLADES

30	541008	2.10	30	541014	3.50
60	541009	2.50	60	541015	4.16
100	541010	4.90	100	541016	8.00

THREE-POLE, DOUBLE-THROW



250 VOLTS

No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	541017	\$1.80
60	541018	3.10
100	541019	6.90
200	541020	11.60

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	541021	\$3.52
60	541022	5.44
100	541023	11.84
200	541024	20.80

600 VOLTS—WITHOUT QUICK BREAK BLADES

30	541025	3.70	30	541028	7.26
60	541026	4.30	60	541029	8.25
100	541027	8.60	100	541030	16.50

Fuses are not included in above prices.

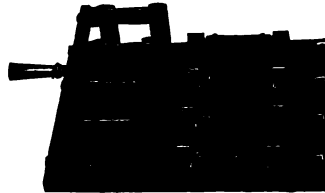
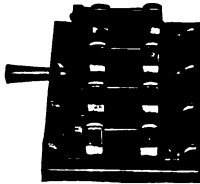
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PUNCHED CLIP KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—250 AND 600 VOLTS

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON OILED SLATE BASE

FOUR-POLE, SINGLE-THROW

**250 VOLTS**

No Fuse, Regular Jaws		
Capacity Amperes	Trade No.	Price Each
30	541031	\$1.36
60	541032	2.44
100	541033	5.00
200	541034	9.00

Fused, High Jaws		
Capacity Amperes	Trade No.	Price Each
30	541039	\$2.12
60	541040	3.60
100	541041	7.30
200	541042	13.50

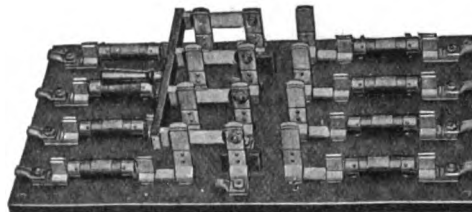
600 VOLTS—WITH QUICK BREAK BLADES

30	541043	3.80	30	541051	5.70
60	541044	4.20	60	541052	6.60
100	541045	7.50	100	541053	12.00
200	541046	14.70	200	541054	22.00

600 VOLTS—WITHOUT QUICK BREAK BLADES

30	541055	2.80	30	541061	4.84
60	541056	3.30	60	541062	5.70
100	541057	6.60	100	541063	11.00

FOUR-POLE, DOUBLE-THROW

**250 VOLTS**

No Fuse, Regular Jaws		
Capacity Amperes	Trade No.	Price Each
30	541064	\$2.56
60	541065	4.40
100	541066	9.80
200	541067	15.50

Fused, High Jaws		
Capacity Amperes	Trade No.	Price Each
30	541068	\$4.84
60	541069	7.48
100	541070	16.28
200	541071	28.60

600 VOLTS—WITHOUT QUICK BREAK BLADES

30	541072	5.00	30	541075	10.00
60	541073	6.00	60	541076	11.50
100	541074	12.00	100	541077	23.00

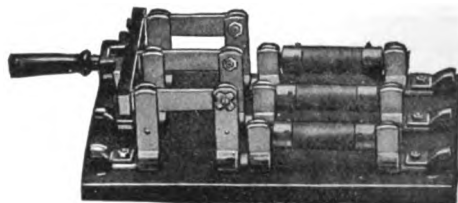
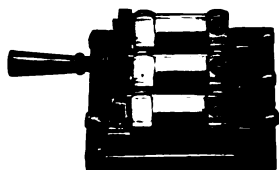
Fuses are not included in above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PUNCHED CLIP KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—500 VOLTS A.C.

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



THREE-POLE, SINGLE-THROW

No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540850	\$1.60
60	540851	1.84
100	540852	3.76
200	540853	6.76

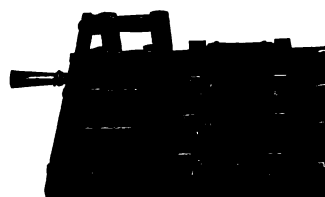
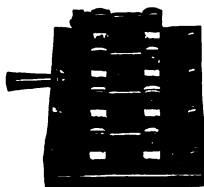
Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540858	\$2.80
60	540859	3.50
100	540860	7.00
200	540861	12.20

THREE-POLE, DOUBLE-THROW

30	540862	2.66
60	540863	3.10
100	540864	6.90
200	540865	11.60

30	540866	6.00
60	540867	7.40
100	540868	14.00
200	540869	21.50



FOUR-POLE, SINGLE-THROW

No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540870	\$2.14
60	540871	2.44
100	540872	5.00
200	540873	9.00

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540878	\$3.70
60	540879	4.80
100	540880	9.30
200	540881	16.20

FOUR-POLE, DOUBLE-THROW

30	540882	3.84
60	540883	4.40
100	540884	9.80
200	540885	15.50

30	540886	8.00
60	540887	9.80
100	540888	18.60
200	540889	28.60

Fuses are not included in above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—250 VOLTS D. C. AND A. C.

SINGLE-POLE, SINGLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaws

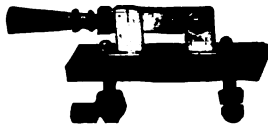
Capacity Amperes	Trade No.	Price Each
30	540000	\$0.80
60	540001	1.20
100	540002	2.25
200	540003	3.48
300	540004	5.34
400	540005	8.14
600	540006	11.54
800	540007	20.00
1000	540008	22.68
1200	540009	27.34
1500	540010	41.00
2000	540011	54.68

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540021	\$1.18
60	540022	1.74
100	540023	3.34
200	540024	5.14
†300	.....	.....
400	540025	11.64
600	540026	16.34
800	540027	26.34
1000	540028	30.34
1200	540029	35.68
1500	.....	.....
2000	.....	.....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540030	\$0.96
60	540031	1.50
100	540032	2.54
200	540033	3.90
300	540034	5.94
400	540035	8.48
600	540036	12.20
800	540037	21.46
1000	540038	23.38
1200	540039	29.04
1500	540040	38.50
2000	540041	52.80

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540051	\$1.24
60	540052	1.88
100	540053	3.52
200	540054	5.32
†300	.....	.....
400	540055	11.28
600	540056	16.36
800	540057	27.06
1000	540058	30.58
1200	540059	36.86
1500	.....	.....
2000	.....	.....

All single-throw switches furnished fused at hinge end, unless otherwise ordered. No extra charge for fuse connections at handle end.

Fuseless switches are listed with regular jaws only. Fusible switches are listed with high jaws.

Switches over 800-ampere equipped with spade handles.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

Quick break attachments are listed on one of the following pages.

†300-ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—250 VOLTS D. C. AND A. C.

SINGLE-POLE, DOUBLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaws

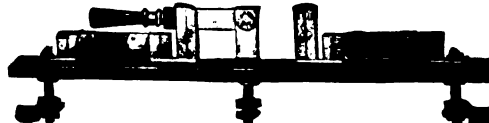
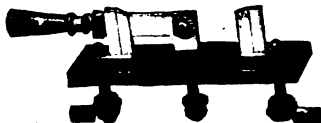
Capacity Amperes	Trade No.	Price Each
30	540060	\$1.18
60	540061	1.74
100	540062	3.34
200	540063	5.34
300	540064	8.68
400	540065	12.54
600	540066	17.34
800	540067	28.00
1000	540068	31.68
1200	540069	40.00
1500	540070	62.68
2000	540071	80.00

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540072	\$2.28
60	540073	3.08
100	540074	6.20
200	540075	9.34
†300	.....	.....
400	540076	18.68
600	540077	27.68
800	540078	42.68
1000	540079	50.68
1200	540080	58.68
1500	.....	.....
2000	.....	.....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540081	\$1.38
60	540082	2.04
100	540083	3.52
200	540084	5.60
300	540085	8.58
400	540086	12.38
600	540087	17.34
800	540088	30.80
1000	540089	34.10
1200	540090	42.90
1500	540091	57.20
2000	540092	79.20

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540093	\$2.64
60	540094	3.08
100	540095	5.50
200	540096	8.58
†300	.....	.....
400	540097	18.44
600	540098	25.08
800	540099	42.90
1000	540100	48.68
1200	540101	57.20
1500	.....	.....
2000	.....	.....

Fuseless switches are furnished with regular jaws only. Fusible switches are furnished with high jaws.

Switches over 800-ampere equipped with spade handles.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

Quick break attachments are listed on one of the following pages.

†300-ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

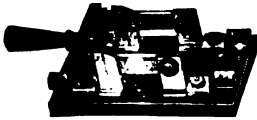
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—250 VOLTS D. C. AND A. C.

DOUBLE-POLE, SINGLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaws

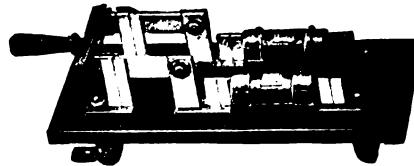
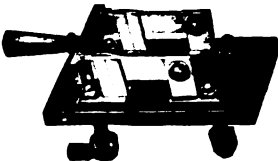
Capacity Amperes	Trade No.	Price Each
30	540102	\$1.20
60	540103	1.78
100	540104	3.38
200	540105	5.20
300	540106	8.00
400	540107	12.20
600	540108	17.30
800	540109	30.00
1000	540110	34.00
1200	540111	41.00
1500	540112	61.50
2000	540113	82.00

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540123	\$1.76
60	540124	2.60
100	540125	5.00
200	540126	7.70
†300	.....	.....
400	540127	17.46
600	540128	24.50
800	540129	39.50
1000	540130	45.50
1200	540131	53.50
1500	.....	.....
2000	.....	.....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540132	\$1.74
60	540133	2.70
100	540134	4.60
200	540135	7.10
300	540136	10.80
400	540137	15.40
600	540138	22.20
800	540139	39.00
1000	540140	42.50
1200	540141	52.80
1500	540142	70.00
2000	540143	96.00

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540153	\$2.24
60	540154	3.42
100	540155	6.40
200	540156	9.66
†300	.....	.....
400	540157	20.50
600	540158	29.74
800	540159	49.20
1000	540160	55.60
1200	540161	67.00
1500	.....	.....
2000	.....	.....

All single-throw switches furnished fused at hinge end, unless otherwise ordered. No extra charge for fuse connections at handle end.

Fuseless switches are listed with regular jaws only. Fusible switches are listed with high jaws.

Switches over 800-ampere equipped with spade handles.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

Quick break attachments are listed on one of the following pages.

†300-ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—250 VOLTS D. C AND A. C.

DOUBLE-POLE, DOUBLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaws

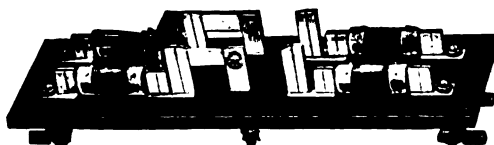
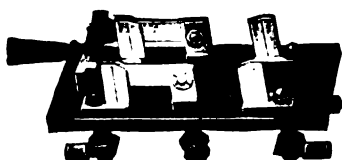
Capacity Amperes	Trade No.	Price Each
30	540162	\$1.76
60	540163	2.60
100	540164	5.00
200	540165	8.00
300	540166	13.00
400	540167	18.80
600	540168	26.00
800	540169	42.00
1000	540170	47.50
1200	540171	60.00
1500	540172	94.00
2000	540173	120.00

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540174	\$3.40
60	540175	4.60
100	540176	9.30
200	540177	14.00
†300	.....	.....
400	540178	28.00
600	540179	41.50
800	540180	64.00
1000	540181	76.00
1200	540182	88.00
1500	.....	.....
2000	.....	.....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540183	\$2.50
60	540184	3.70
100	540185	6.40
200	540186	10.20
300	540187	15.60
400	540188	22.50
600	540189	31.50
800	540190	56.00
1000	540191	62.00
1200	540192	78.00
1500	540193	104.00
2000	540194	144.00

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540195	\$4.80
60	540196	5.60
100	540197	10.00
200	540198	15.60
†300	.....	.....
400	540199	33.50
600	540200	45.60
800	540201	78.00
1000	540202	88.50
1200	540203	104.00
1500	.....	.....
2000	.....	.....

Fuseless switches are furnished with regular jaws only. Fusible switches are furnished with high jaws.

Switches over 800-ampere equipped with spade handles.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

Quick break attachments are listed on one of the following pages.

†300 ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

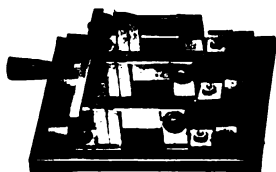
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—250 VOLTS D. C. AND A. C.

THREE-POLE, SINGLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaws

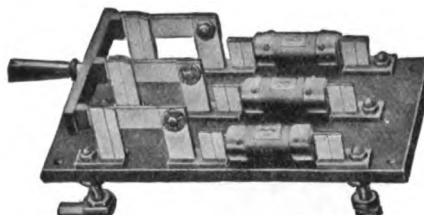
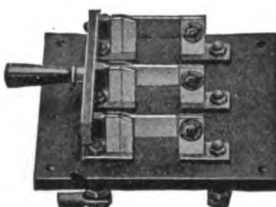
Capacity Amperes	Trade No.	Price Each
30	540204	\$1.80
60	540205	2.68
100	540206	5.08
200	540207	7.80
300	540208	12.00
400	540209	18.30
600	540210	25.96
800	540211	45.00
1000	540212	51.00
1200	540213	61.50
1500	540214	92.25
2000	540215	123.00

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540225	\$2.64
60	540226	3.90
100	540227	7.50
200	540228	11.56
300	.....	.....
400	540229	26.20
600	540230	36.75
800	540231	59.25
1000	540232	68.25
1200	540233	80.25
1500	.....	.....
2000	.....	.....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540234	\$2.60
60	540235	4.06
100	540236	6.90
200	540237	10.66
300	540238	16.20
400	540239	23.10
600	540240	33.30
800	540241	58.50
1000	540242	63.75
1200	540243	79.20
1500	540244	105.00
2000	540245	144.00

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540255	\$3.36
60	540256	5.14
100	540257	9.60
200	540258	14.50
300	.....	.....
400	540259	30.75
600	540260	44.62
800	540261	73.80
1000	540262	83.40
1200	540263	100.50
1500	.....	.....
2000	.....	.....

All single-throw switches furnished fused at hinge end, unless otherwise ordered. No extra charge for fuse connections at handle end.

Fuseless switches are listed with regular jaws only. Fusible switches are listed with high jaws.

Switches over 800-ampere equipped with spade handles.

For plain finish, back connected, 30 to 400-ampere switches, deduct, 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

Quick break attachments are listed on one of the following pages.

†300-ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

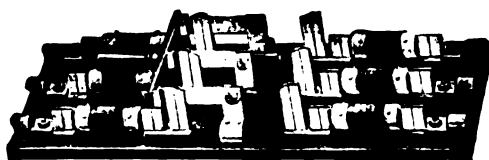
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—250 VOLTS D. C. AND A. C.

THREE-POLE, DOUBLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE

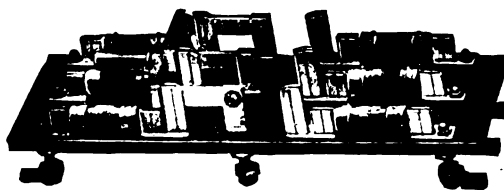
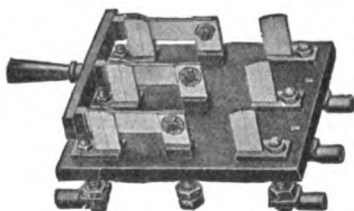


No Fuse, Regular Jaws		
Capacity Amperes	Trade No.	Price Each
30	540264	\$2.64
60	540265	3.90
100	540266	7.50
200	540267	12.00
300	540268	19.50
400	540269	28.20
600	540270	39.00
800	540271	63.00
1000	540272	71.25
1200	540273	90.00
1500	540274	141.00
2000	540275	180.00

Fused, High Jaws		
Capacity Amperes	Trade No.	Price Each
30	540276	\$5.10
60	540277	6.90
100	540278	13.96
200	540279	21.00
300	.....	.....
400	540280	42.00
600	540281	62.25
800	540282	96.00
1000	540283	114.00
1200	540284	132.00
1500	.....	.....
2000	.....	.....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws		
Capacity Amperes	Trade No.	Price Each
30	540285	\$3.75
60	540286	5.56
100	540287	9.60
200	540288	15.30
300	540289	23.40
400	540290	33.75
600	540291	47.25
800	540292	84.00
1000	540293	93.00
1200	540294	117.00
1500	540295	156.00
2000	540296	216.00

Fused, High Jaws		
Capacity Amperes	Trade No.	Price Each
30	540297	\$7.20
60	540298	8.40
100	540299	15.00
200	540300	23.40
300	.....	.....
400	540301	50.25
600	540302	68.40
800	540303	117.00
1000	540304	132.75
1200	540305	156.00
1500	.....	.....
2000	.....	.....

Fuseless switches are furnished with regular jaws only. Fusible switches are furnished with high jaws.

Switches over 800-ampere equipped with spade handles.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

Quick break attachments are listed on one of the following pages.

300-ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

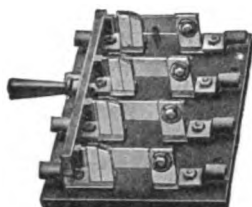
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

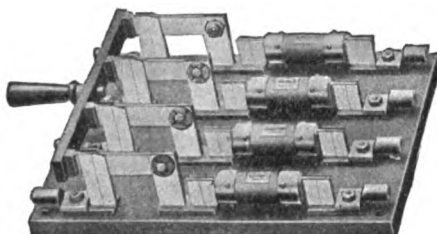
NATIONAL ELECTRICAL CODE STANDARD—250 VOLTS D. C. AND A. C.

FOUR-POLE, SINGLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE

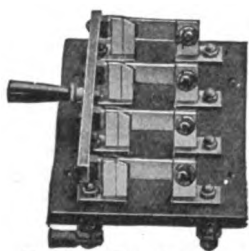


Capacity Amperes	No Fuse, Regular Jaws Trade No.	Price Each
30	540306	\$2.40
60	540307	3.56
100	540308	6.78
200	540309	10.40
300	540310	17.00
400	540311	25.94
600	540312	36.78
800	540313	60.00
1000	540314	68.00
1200	540315	82.00
1500	540316	123.00
2000	540317	164.00

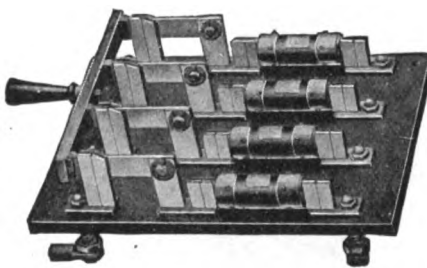


Capacity Amperes	Fused, High Jaws Trade No.	Price Each
30	540327	\$3.52
60	540328	5.20
100	540329	10.00
200	540330	15.40
300	.....	.....
400	540331	37.10
600	540332	52.06
800	540333	79.00
1000	540334	91.00
1200	540335	107.00
1500	.....	.....
2000	.....	.....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED

Capacity Amperes	No Fuse, Regular Jaws Trade No.	Price Each
30	540336	\$3.48
60	540337	5.40
100	540338	9.20
200	540339	14.20
300	540340	22.96
400	540341	32.72
600	540342	47.18
800	540343	78.00
1000	540344	85.00
1200	540345	105.60
1500	540346	140.00
2000	540347	192.00



Capacity Amperes	Fused, High Jaws Trade No.	Price Each
30	540357	\$4.48
60	540358	6.84
100	540359	12.80
200	540360	19.32
300	.....	.....
400	540361	43.56
600	540362	63.20
800	540363	98.40
1000	540364	111.20
1200	540365	134.00
1500	.....	.....
2000	.....	.....

All single-throw switches furnished fused at hinge end, unless otherwise ordered. No extra charge for fuse connections at handle end.

Fuseless switches are listed with regular jaws only. Fusible switches are listed with high jaws.

Switches over 800-ampere equipped with spade handles.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

Quick break attachments are listed on one of the following pages.

†300-ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

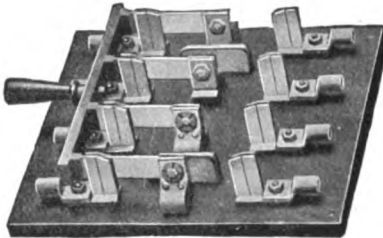
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—250 VOLTS D. C. AND A. C.

FOUR-POLE, DOUBLE-THROW

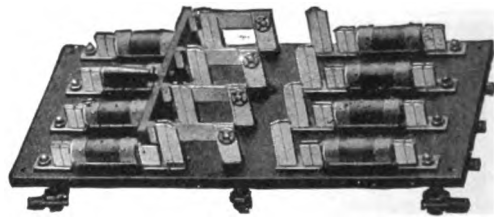
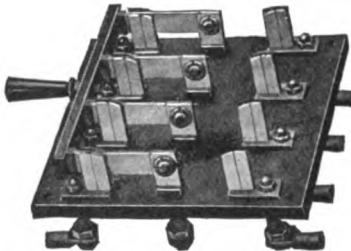
FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaws		
Capacity Amperes	Trade No.	Price Each
30	540366	\$3.52
60	540367	5.20
100	540368	10.00
200	540369	16.00
300	540370	26.00
400	540371	37.60
600	540372	52.00
800	540373	84.00
1000	540374	95.00
1200	540375	120.00
1500	540376	188.00
2000	540377	240.00

Fused, High Jaws		
Capacity Amperes	Trade No.	Price Each
30	540378	\$6.80
60	540379	9.20
100	540380	18.60
200	540381	28.00
†300	.....	.....
400	540382	56.00
600	540383	83.00
800	540384	128.00
1000	540385	152.00
1200	540386	176.00
1500	.....	.....
2000	.....	.....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED

No Fuse, Regular Jaws		
Capacity Amperes	Trade No.	Price Each
30	540387	\$5.00
60	540388	7.40
100	540389	12.80
200	540390	20.40
300	540391	31.20
400	540392	45.00
600	540393	63.00
800	540394	112.00
1000	540395	124.00
1200	540396	156.00
1500	540397	208.00
2000	540398	288.00

Fused, High Jaws		
Capacity Amperes	Trade No.	Price Each
30	540399	\$ 9.60
60	540400	11.20
100	540401	20.00
200	540402	31.20
†300	.....	.....
400	540403	67.00
600	540404	91.20
800	540405	156.00
1000	540406	177.00
1200	540407	208.00
1500	.....	.....
2000	.....	.....

Fuseless switches are furnished with regular jaws only. Fusible switches are furnished with high jaws.

Switches over 800-ampere equipped with spade handles.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

Quick break attachments are listed on one of the following pages.

†300-ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—600 VOLTS

SINGLE-POLE, SINGLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaws

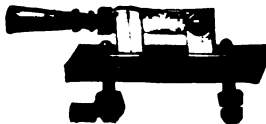
WITH QUICK BREAK		WITHOUT QUICK BREAK		
Trade No.	Price Each	Trade No.	Price Each	Capacity Amperes
540408	\$1.50	540415	\$1.18	30
540409	1.60	540416	1.28	60
540410	2.76	540417	2.20	100
540411	4.40	.....	....	200
540412	6.82	.....	....	†300
540413	9.36	.....	....	400
540414	12.38	.....	....	600

Fused, High Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK		
Trade No.	Price Each	Trade No.	Price Each	
540418	\$2.18	540424	\$1.84	
540419	2.34	540425	2.04	
540420	3.90	540426	3.48	
540421	6.16	.....	....
.....	
540422	12.94	.....	....
540423	17.34	.....	....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK		
Trade No.	Price Each	Trade No.	Price Each	Capacity Amperes
540427	\$2.10	540434	\$1.84	30
540428	2.20	540435	1.94	60
540429	3.58	540436	3.04	100
540430	5.28	.....	....	200
540431	7.16	.....	....	†300
540432	11.00	.....	....	400
540433	15.40	.....	....	600

Fused, High Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK		
Trade No.	Price Each	Trade No.	Price Each	
540437	\$2.66	540443	\$2.34	
540438	2.96	540444	2.60	
540439	4.68	540445	4.08	
540440	6.94	.....	....
.....	
540441	14.58	.....	....
540442	20.08	.....	....

All single-throw switches furnished fused at hinge end, unless otherwise ordered. No extra charge for fuse connections at handle end.

Fuseless switches are listed with regular jaws. Fusible switches are listed with high jaws.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

†300-ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—600 VOLTS

SINGLE-POLE, DOUBLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540446	\$2.64	540453	\$2.36
540447	2.76	540454	2.48
540448	4.08	540455	3.58
540449	6.60	.....	....
540450	9.90	.....	....
540451	13.76	.....	....
540452	17.60	.....	....

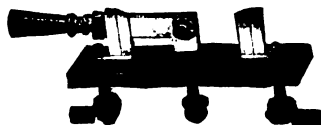
Capacity Amperes
30
60
100
200
†300
400
600

Fused, High Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540456	\$3.74	540462	\$3.12
540457	4.08	540463	3.58
540458	6.88	540464	6.34
540459	10.46	.....	....
.....
540460	19.80	.....	....
540461	29.70	.....	....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540465	\$3.22	540472	\$2.70
540466	3.30	540473	2.80
540467	4.96	540474	4.08
540468	7.38	.....	....
540469	11.56	.....	....
540470	15.40	.....	....
540471	20.90	.....	....

Capacity Amperes
30
60
100
200
†300
400
600

Fused, Regular Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540475	\$3.74	540481	\$3.18
540476	4.14	540482	3.58
540477	6.88	540483	6.06
540478	10.18	.....	....
.....
540479	20.36	.....	....
540480	28.60	.....	....

Fuseless switches are listed with regular jaws. Fusible switches are listed with high jaws.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

†300-ampere fusible switches not permitted by Code

Fuses are not included in above prices.

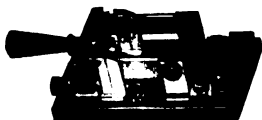
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—600 VOLTS

DOUBLE-POLE, SINGLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540484	\$2.72	540491	\$2.12
540185	2.90	540492	2.30
540486	5.00	540493	4.00
540487	8.00	.....	....
540188	12.40	.....	....
540489	17.00	.....	....
540490	22.50	.....	....

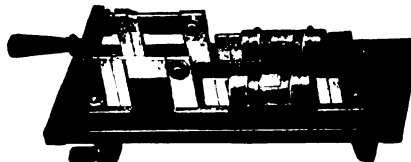
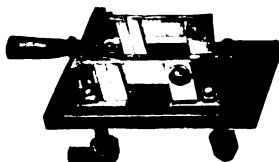
Capacity
Amperes
30
60
100
200
†300
400
600

Fused, High Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540494	\$3.92	540500	\$3.32
540495	4.26	540501	3.70
540496	7.10	540502	6.30
540497	11.20	.....	....
.....
540498	23.50	.....	....
540499	31.50	.....	....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540503	\$3.82	540510	\$3.32
540504	4.00	540511	3.50
540505	6.50	540512	5.50
540506	9.60	.....	....
540507	13.00	.....	....
540508	20.00	.....	....
540509	28.00	.....	....

Capacity
Amperes
30
60
100
200
†300
400
600

Fused, High Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540513	\$4.82	540519	\$4.22
540514	5.40	540520	4.70
540515	8.50	540521	7.40
540516	12.60	.....	....
.....
540517	26.50	.....	....
540518	36.50	.....	....

All single-throw switches furnished fused at hinge end, unless otherwise ordered. No extra charge for fuse connections at handle end.

Fuseless switches are listed with regular jaws. Fusible switches are listed with high jaws.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

†300-ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

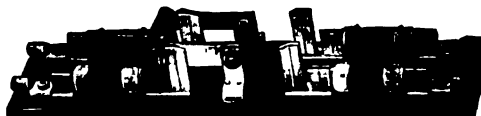
NATIONAL ELECTRICAL CODE STANDARD—600 VOLTS

DOUBLE-POLE, DOUBLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaw



Fused, High Jaws

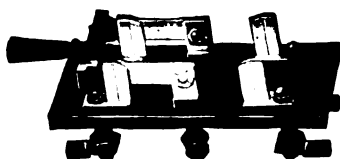
WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540522	\$4.76	540529	\$4.26
540523	5.00	540530	4.50
540524	7.40	540531	6.50
540525	12.00	.....	....
540526	18.00	.....	....
540527	25.00	.....	....
540528	32.00	.....	....

Capacity Amperes
30
60
100
200
†300
400
600

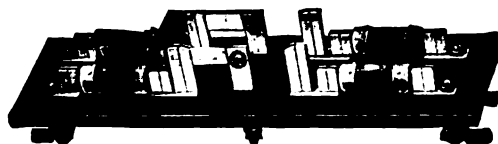
WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540532	\$6.74	540538	\$5.42
540533	7.40	540539	6.00
540534	12.50	540540	11.50
540535	19.00	.....	....
.....
540536	36.00	.....	....
540537	54.00	.....	....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws



Fused, High Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540541	\$5.74	540548	\$4.86
540542	6.00	540549	5.10
540543	9.00	540550	7.40
540544	13.40	.....	....
540545	21.00	.....	....
540546	28.00	.....	....
540547	38.00	.....	....

Capacity Amperes
30
60
100
200
†300
400
600

WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540551	\$6.88	540557	\$5.76
540552	7.50	540558	6.50
540553	12.50	540559	11.00
540554	18.50	.....	....
.....
540555	37.00	.....	....
540556	52.00	.....	....

Fuseless switches are listed with regular jaws. Fusible switches are listed with high jaws.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

†300-ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

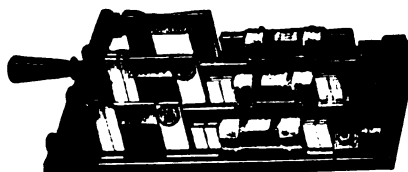
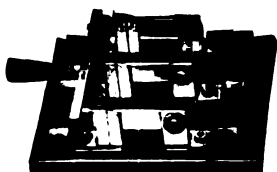
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—600 VOLTS

THREE-POLE, SINGLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaws

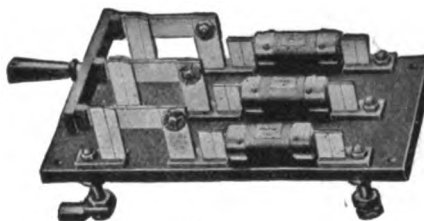
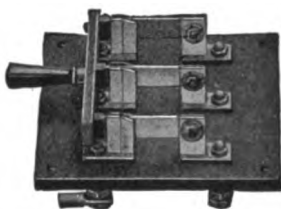
WITH QUICK BREAK Trade No.	PRICE Each	WITHOUT QUICK BREAK Trade No.	PRICE Each	Capacity Amperes
540560	\$4.38	540567	\$3.40	30
540561	4.64	540568	3.68	60
540562	8.00	540569	6.40	100
540563	12.80	.....	....	200
540564	19.84	.....	....	†300
540565	27.20	.....	....	400
540566	36.00	.....	....	600

Fused, High Jaws

WITH QUICK BREAK Trade No.	PRICE Each	WITHOUT QUICK BREAK Trade No.	PRICE Each
540570	\$6.30	540576	\$5.34
540571	6.82	540577	5.92
540572	11.36	540578	10.08
540573	17.92	.....	....
.....
540574	37.60	.....	....
540575	50.40	.....	....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws

WITH QUICK BREAK Trade No.	PRICE Each	WITHOUT QUICK BREAK Trade No.	PRICE Each	Capacity Amperes
540579	\$6.12	540586	\$5.34	30
540580	6.40	540587	5.60	60
540581	10.40	540588	8.80	100
540582	15.36	.....	....	200
540583	20.80	.....	....	†300
540584	32.00	.....	....	400
540585	44.80	.....	....	600

Fused, High Jaws

WITH QUICK BREAK Trade No.	PRICE Each	WITHOUT QUICK BREAK Trade No.	PRICE Each
540589	\$7.74	540595	\$6.78
540590	8.64	540596	7.52
540591	13.60	540597	11.84
540592	20.16	.....	....
.....
540593	42.40	.....	....
540594	58.40	.....	....

All single-throw switches furnished fused at hinge end, unless otherwise ordered. No extra charge for fuse connections at handle end.

Fuseless switches are listed with regular jaws. Fusible switches are listed with high jaws.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

†300-ampere fusible switch not permitted by Code.

Fuses are not included in above prices.

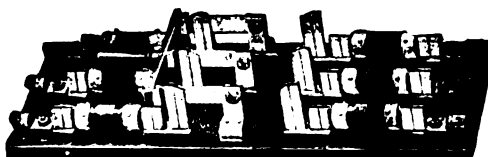
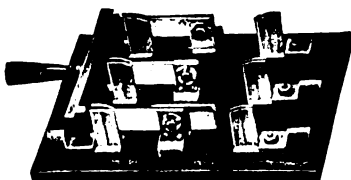
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—600 VOLTS

THREE-POLE, DOUBLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaws

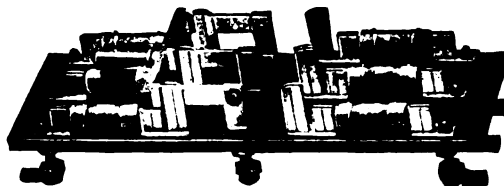
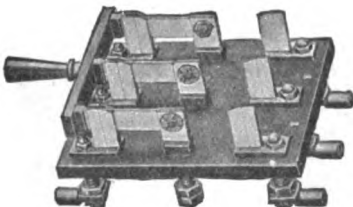
WITH QUICK BREAK Trade No.	Price Each	WITHOUT QUICK BREAK Trade No.	Price Each
540598	\$7.64	540605	\$6.84
540599	8.00	540606	7.20
540600	11.84	540607	10.40
540601	19.20	.....	.....
540602	28.80	.....	.....
540603	40.00	.....	.....
540604	51.20	.....	.....

Fused, High Jaws

WITH QUICK BREAK Trade No.	Price Each	WITHOUT QUICK BREAK Trade No.	Price Each
540608	\$10.84	540614	\$ 9.40
540609	11.84	540615	10.40
540610	20.00	540616	18.40
540611	30.40	.....	.....
.....
540612	57.60	.....	.....
540613	86.40	.....	.....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws

WITH QUICK BREAK Trade No.	Price Each	WITHOUT QUICK BREAK Trade No.	Price Each
540617	\$9.24	540624	\$7.80
540618	9.60	540625	8.16
540619	14.40	540626	11.74
540620	21.44	.....	.....
540621	33.60	.....	.....
540622	44.80	.....	.....
540623	60.80	.....	.....

Fused, High Jaws

WITH QUICK BREAK Trade No.	Price Each	WITHOUT QUICK BREAK Trade No.	Price Each
540627	\$10.84	540633	\$ 9.24
540628	12.00	540634	10.40
540629	20.00	540635	17.60
540630	29.60	.....	.....
.....
540631	59.20	.....	.....
540632	83.20	.....	.....

Fuseless switches are listed with regular jaws. Fusible switches are listed with high jaws.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

†300-ampere fusible switch not permitted by Code.

Fuses are not included in above prices.

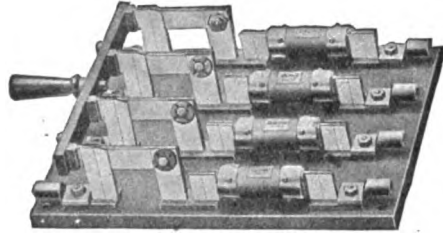
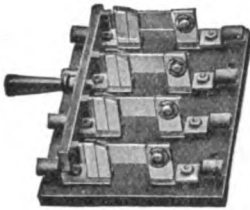
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—600 VOLTS

FOUR-POLE, SINGLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE

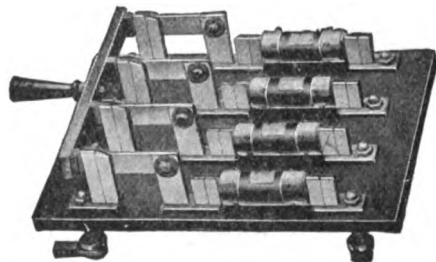
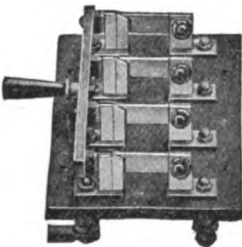
**No Fuse, Regular Jaws**

WITH QUICK BREAK		WITHOUT QUICK BREAK		Capacity Amperes
Trade No.	Price Each	Trade No.	Price Each	
540636	\$6.02	540643	\$4.70	30
540637	6.38	540644	5.06	60
540638	11.00	540645	8.80	100
540639	17.60	.....	....	200
540640	27.28	.....	....	†300
540641	37.40	.....	....	400
540642	49.50	.....	....	600

Fused, High Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540646	\$8.66	540652	\$7.34
540647	9.38	540653	8.14
540648	15.62	540654	13.86
540649	24.64	.....	....
.....
540650	51.70	.....	....
540651	69.30	.....	....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED**No Fuse, Regular Jaws**

WITH QUICK BREAK		WITHOUT QUICK BREAK		Capacity Amperes
Trade No.	Price Each	Trade No.	Price Each	
540655	\$8.44	540662	\$7.34	30
540656	8.80	540663	7.70	60
540657	14.30	540664	12.10	100
540658	21.12	.....	....	200
540659	28.60	.....	....	†300
540660	44.00	.....	....	400
540661	61.60	.....	....	600

Fused, High Jaws

WITH QUICK BREAK		WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No.	Price Each
540665	\$10.64	540671	\$ 9.32
540666	11.88	540672	10.34
540667	18.70	540673	16.28
540668	27.72	.....	....
.....
540669	58.30	.....	....
540670	80.30	.....	....

All single-throw switches furnished fused at hinge end, unless otherwise ordered. No extra charge for fused connections at handle end.

Fuseless switches are listed with regular jaws. Fusible switches are listed with high jaws.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400-ampere, 5 per cent.

For double-break switches, add 50 per cent.

All the above switches are equipped with spade handles.

†300-ampere fusible switch not permitted by Code.

Fuses are not included in above prices.

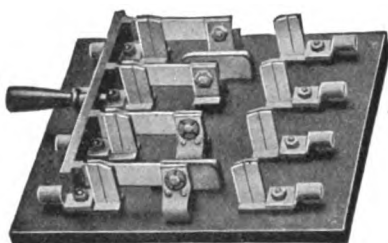
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—600 VOLTS

FOUR-POLE, DOUBLE-THROW

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE



No Fuse, Regular Jaws

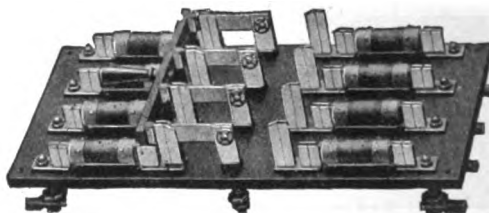
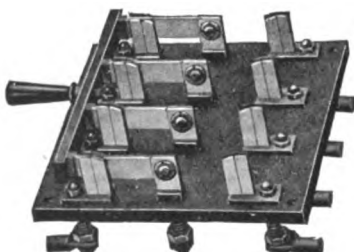
WITH QUICK BREAK	WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No. Price Each Capacity Amperes
540674	\$10.52	540681 \$9.42 30
540675	11.00	540682 9.90 60
540676	16.28	540683 14.30 100
540677	26.40	..... 200
540678	39.60	..... †300
540679	55.00	..... 400
540680	70.40	..... 600

Fused, High Jaws

WITH QUICK BREAK	WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No. Price Each
540684	\$14.92	540690 \$12.50
540685	16.28	540691 13.50
540686	27.50	540692 25.30
540687	41.80	.....
.....
540688	79.20	.....
540689	118.80	.....

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

BACK CONNECTION—POLISHED FINISH—UNMOUNTED



No Fuse, Regular Jaws

WITH QUICK BREAK	WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No. Price Each Capacity Amperes
540693	\$12.72	540700 \$10.74 30
540694	13.20	540701 11.22 60
540695	19.80	540702 16.28 100
540696	29.48	..... 200
540697	46.20	..... †300
540698	61.60	..... 400
540699	83.60	..... 600

Fused, High Jaws

WITH QUICK BREAK	WITHOUT QUICK BREAK	
Trade No.	Price Each	Trade No. Price Each
540703	\$14.92	540709 \$12.72
540704	16.50	540710 14.30
540705	27.50	540711 24.20
540706	40.70	.....
.....
540707	81.40	.....
540708	114.40	.....

Fuseless switches are listed with regular jaws. Fusible switches are listed with high jaws.

For plain finish, back connected, 30 to 400-ampere switches, deduct 10 per cent; over 400 ampere, 5 per cent.

For double-break switches, add 50 per cent.

†300-ampere fusible switch not permitted by Code.

All the above switches are equipped with spade handles.

Fuses are not included in above prices.

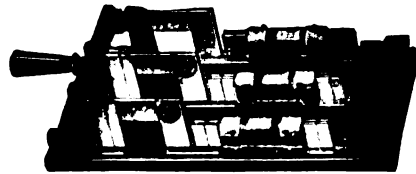
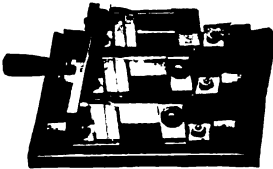
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—500 VOLTS A. C.

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE

THREE-POLE, SINGLE-THROW



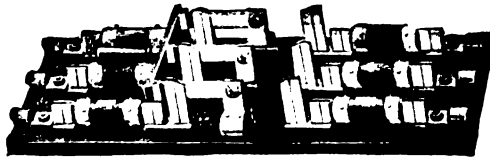
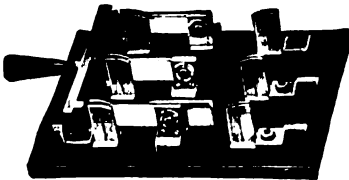
No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540748	\$2.48
60	540749	2.68
100	540750	5.08
200	540751	7.80
300	540752	12.00
400	540753	18.30
600	540754	25.98
800	540755	45.00
1000	540756	51.00
1200	540757	61.50
1500	540758	92.25
2000	540759	123.00

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540769	\$4.00
60	540770	4.60
100	540771	8.20
200	540772	13.10
300	.....	.....
400	540773	28.50
600	540774	40.00
800	540775	62.00
1000	540776	70.00
1200	540777	84.00
.....
.....

THREE-POLE, DOUBLE-THROW



No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540778	\$3.40
60	540779	3.90
100	540780	7.50
200	540781	12.00
300	540782	19.50
400	540783	28.20
600	540784	39.00
800	540785	63.00
1000	540786	71.25
1200	540787	90.00
1500	540788	141.00
2000	540789	180.00

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540790	\$7.50
60	540791	9.00
100	540792	16.00
200	540793	23.50
300	.....	.....
400	540794	48.00
600	540795	72.00
800	540796	110.00
1000	540797	120.00
1200	540798	140.00
1500	.....	.....
2000	.....	.....

All single-throw switches furnished fused at hinge end, unless otherwise ordered. No extra charge for fuse connections at handle end.

Single and double-throw fuseless switches are listed with regular jaws only. Single and double-throw fused switches are listed with high jaws.

Switches over 800-ampere equipped with spade handles.

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

For double break switches, add 50 per cent.

300-ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

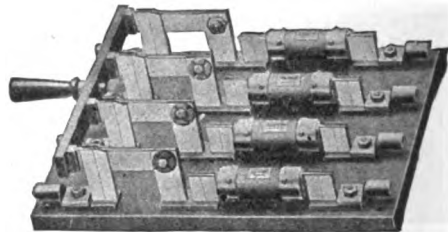
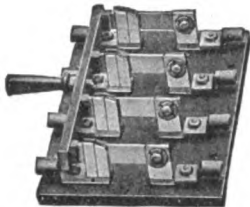
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HIGH GRADE KNIFE SWITCHES

NATIONAL ELECTRICAL CODE STANDARD—500 VOLTS A. C.

FRONT CONNECTION—PLAIN FINISH—MOUNTED ON SLATE BASE

FOUR-POLE, SINGLE-THROW



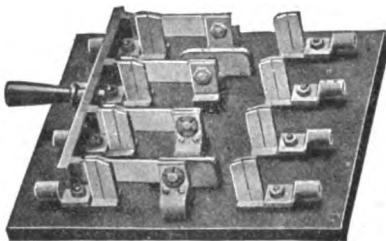
No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540799	\$3.30
60	540800	3.56
100	540801	6.76
200	540802	10.40
300	540803	17.00
400	540804	25.94
600	540805	38.78
800	540806	60.00
1000	540807	68.00
1200	540808	82.00
1500	540809	123.00
2000	540810	164.00

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540820	\$5.34
60	540821	6.14
100	540822	10.94
200	540823	17.48
†300	.....	.....
400	540824	38.00
600	540825	53.34
800	540826	82.68
1000	540827	93.34
1200	540828	112.00
1500	.....	.....
2000	.....	.....

FOUR-POLE, DOUBLE-THROW



No Fuse, Regular Jaws

Capacity Amperes	Trade No.	Price Each
30	540829	\$4.60
60	540830	5.20
100	540831	10.00
200	540832	16.00
300	540833	26.00
400	540834	37.60
600	540835	52.00
800	540836	84.00
1000	540837	95.00
1200	540838	120.00
1500	540839	188.00
2000	540840	240.00

Fused, High Jaws

Capacity Amperes	Trade No.	Price Each
30	540841	\$10.00
60	540842	12.00
100	540843	21.32
200	540844	31.32
†300	.....	.....
400	540845	60.00
600	540846	96.00
800	540847	146.66
1000	540848	160.00
1200	540849	186.66
1500	.....	.....
2000	.....	.....

All single-throw switches furnished fused at hinge end, unless otherwise ordered. No extra charge for fused connections at handle end.

Single and double-throw fuseless switches are listed with regular jaws only. Single and double-throw fused switches are listed with high jaws.

Switches over 800-ampere equipped with spade handles.

For polished finish, 30 to 200-ampere, add 30 per cent; over 200-ampere, 20 per cent.

For double-break switches, add 50 per cent.

Quick break attachments are listed on one of the following pages.

†300-ampere fusible switches not permitted by Code.

Fuses are not included in above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MOTOR STARTING SWITCHES

FRONT CONNECTION—PLAIN FINISH—MOUNTED
ON OILED SLATE BASE

250 and 500 Volts, A. C.

DOUBLE-POLE, DOUBLE-THROW—HIGH GRADE

250 Volts			500 Volts		
Capacity Amperes	Trade No.	Price Each	Capacity Amperes	Trade No.	Price Each
30	540712	\$4.12	30	540715	\$5.25
60	540713	5.50	60	540716	6.50
100	540714	10.50	100	540717	11.62

DOUBLE-POLE, DOUBLE-THROW—PUNCHED CLIP

30	540718	3.75	30	540721	4.50
60	540719	4.75	60	540722	5.60
100	540720	9.90	100	540723	10.90

THREE-POLE, DOUBLE-THROW—HIGH GRADE

30	540724	5.50	30	540727	7.00
60	540725	7.30	60	540728	8.60
100	540726	14.00	100	540729	15.50

THREE-POLE, DOUBLE-THROW—PUNCHED CLIP

30	540730	5.00	30	540733	6.00
60	540731	6.30	60	540734	7.50
100	540732	13.20	100	540735	14.50

FOUR-POLE, DOUBLE-THROW—HIGH GRADE

30	540736	7.30	30	540739	9.30
60	540737	9.75	60	540740	11.50
100	540738	18.66	100	540741	20.70

FOUR-POLE, DOUBLE-THROW—PUNCHED CLIP

30	540742	6.68	30	540745	8.00
60	540743	8.40	60	540746	10.00
100	540744	17.60	100	540747	19.30

Prices include spade handle, but do not include fuses.

SPADE HANDLES

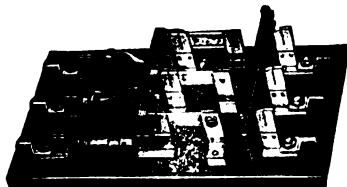
Style X				Style Y			
PLAIN		POLISHED		PLAIN		POLISHED	
Capacity Amperes	Trade No.	Price Each	Trade No.	Price Each	Capacity Amperes	Trade No.	Price Each
30-80	093018	\$0.50	093022	\$0.75	30-80	093026	\$0.50
100-200	093019	.75	093023	1.00	100-200	093027	.75
300-600	093020	1.05	093024	1.60	300-600	093028	1.05
800-1500	093021	2.00	093025	2.50	800-1500	093029	2.00

QUICK BREAK ATTACHMENTS

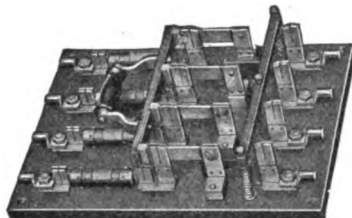
250 Volts, 600 Volts



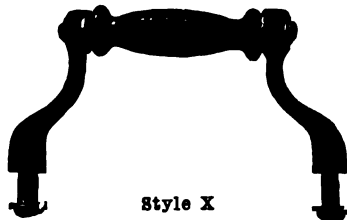
Double-Pole, Double-Throw



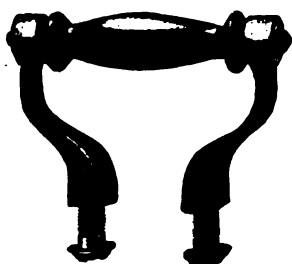
Three-Pole, Double-Throw



Four-Pole, Double-Throw



Style X



Style Y

Single-Throw				Double-Throw			
PLAIN		POLISHED		PLAIN		POLISHED	
Capacity Amperes	Trade No.	Price Each	Trade No.	Price Each	Capacity Amperes	Trade No.	Price Each
30	093034	\$0.55	093044	\$0.70	30	093054	\$1.10
60	093035	.60	093045	.75	60	093055	1.20
80	093036	.70	093046	.90	80	093056	1.40
100	093037	.75	093047	.95	100	093057	1.50
150	093038	.85	093048	1.00	150	093058	1.70
200	093039	.90	093049	1.10	200	093059	1.80
300	093040	1.05	093050	1.30	300	093060	2.10
400	093041	1.20	093051	1.50	400	093061	2.40
500	093042	1.35	093052	1.70	500	093062	2.70
600	093043	1.50	093053	1.85	600	093063	3.00
						093064	\$1.40
						093065	1.50
						093066	1.80
						093067	1.90
						093068	2.00
						093069	2.20
						093070	2.60
						093071	3.00
						093072	3.40
						093073	3.70

Quick break attachment for larger switch, price on application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

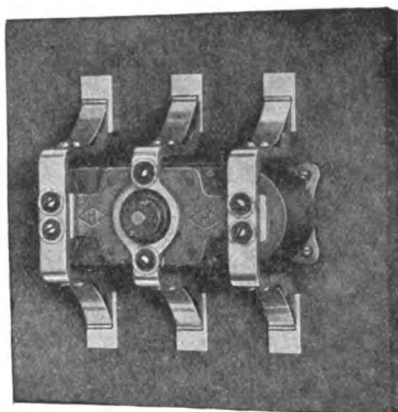
REMOTE CONTROL SWITCHES

TYPE F-1

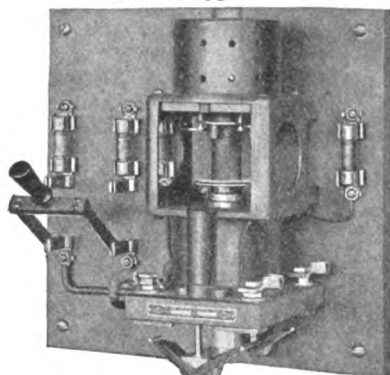
The Type F-1 remote control switches are for operation on direct or alternating current for potentials not exceeding 250 volts D. C. or 440 volts A. C.

This type of remote control switch is suited for all classes of service where it is expedient to install magnetically operated switches. The locking mechanism and magnets are entirely inclosed in an iron housing and its positive action, rigid construction, and compactness of design mark a very decided improvement in the manufacture of this class of apparatus.

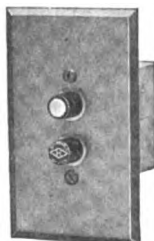
The switch may be operated either by push button or automatic control circuit closers, operating at line potential or otherwise, its use permitting the instant control of lights or other electrical devices from any desired number of points.



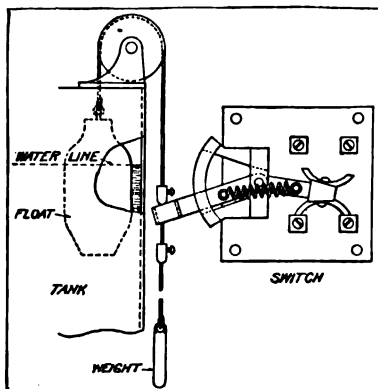
No. 79, Type F-1



No. 605, Type A



No. 70



No. 72 Tank Switch

Double-Pole—Single-Throw

Trade No.	Mfrs. No.	Cap. Amps.	Price Each
045481	730	5-25	\$36.00
045482	740	50	48.00
045483	750	75	60.00
045484	760	100	93.60
045485	770	150	108.00
045486	780	200	122.40

Triple-Pole—Single-Throw

Trade No.	Mfrs. No.	Cap. Amps.	Price Each
045490	790	5-25	43.20
045491	800	50	54.00
045492	810	75	67.20
045493	820	100	108.00
045494	830	150	124.80
045495	840	200	139.20

Four-Pole—Single-Throw

Trade No.	Mfrs. No.	Cap. Amps.	Price Each
69164	610	25	54.00
69165	620	50	68.00
69166	630	75	112.00
69167	640	100	128.00

TYPE A

Continuous Current—No-Voltage Release

For the remote control of small motors, for vacuum cleaners, automatic elevators, etc.

Double-Pole

Trade No.	Mfrs. No.	Cap. Amps.	Price Each
69168	605	30	48.00
69169	615	50	54.00

Triple-Pole

Trade No.	Mfrs. No.	Cap. Amps.	Price Each
69170	625	30	60.00
69171	635	50	68.00

No. 9 MOMENTARY CONTACT SWITCHES

This switch is arranged so that when the button is pressed a snap contact is made and a snap break is obtained when button is released. It fits a standard wall case, uses a standard gang plate, and can be furnished either push button or key.

045623	9	3.18
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TANK SWITCHES

The tank switch has an earthenware float not affected by acids or alkalis. The switch is double-throw, having a capacity of 10 amperes at either 220 or 110 volts, and may be used as a high or low water alarm, to control motors within its capacity or control the remote control switch.

With Float

69172	72	25.00
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Without Float

69173	72	10.00
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

RELIANCE TIME SWITCHES



Reliance Automatic Time Switches are constructed of the best materials and every machine is thoroughly tested before leaving the factory. Every machine is fully warranted for one year from date of purchase, and if any defective parts are found they will be replaced free of charge.

Reliance Time Switches are listed and approved by the Underwriters.

All types turn electric circuits both on and off. Runs a full week on one winding.

All types are 10x10x5½ inches in size and weigh 15 pounds. The case is cast iron with brilliant black enamel finish.

Some of the many uses for Reliance Time Switches are: To control electric signs, show window lighting, show case lighting, apartment house hall lights, motors running at predetermined periods, isolated street lights, burglar alarms, billboard lighting, etc.

The outdoor types are especially convenient for lighting companies who desire to furnish flat rate service, and who wish to install apparatus upon their own poles.

250 VOLTS OR LESS A. C. OR D. C.

Trade No.	Description	Price Each
Type 10		
109578	10 amperes or less, double or single pole, open or closed face	\$22.00
Type 20		
063268	20 amperes or less, double or single pole, open or closed face.....	24.00
Type 30		
063269	30 amperes or less, double or single pole, open or closed face.....	26.00
Type 15		
063270	15 amperes or less, triple pole, open or closed face	26.00
Type 50		
109568	50 amperes or less, double or single pole, open or closed face.....	30.00

Types 10, 20, 30 and 15 can be furnished, without extra cost, with four hands on the center dial so that they will light twice and extinguish twice in one night.

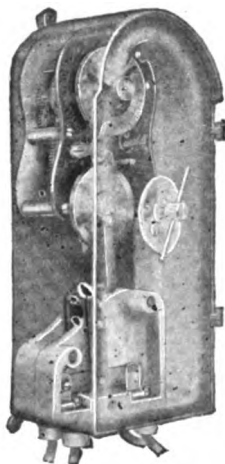
NOTE.—Closed face type has solid iron door and no glass for outdoor use.

Type A				Price Each
Trade No.	No. of Circuits	Operation		
063261	2	No. 1 on; No. 2 on; both off together		\$24.00
Type B				
063262	2	Both on together; No. 1 off; No. 2 off		24.00
Type C				
063263	2	No. 1 on; No. 2 on; No. 1 off; No. 2 off		24.00
Type D				
063264	3	No. 1 on; No. 2 on; No. 3 on; all off together		24.00
Type E				
063265	2	No. 1 on; No. 1 off; and No. 2 on; No. 2 off		24.00
Type F				
063266	2	No. 1 on; No. 1 off; No. 2 on; No. 2 off		24.00
Type G				
063267	2	No. 1 on; No. 2 on; No. 2 off; No. 1 off		24.00

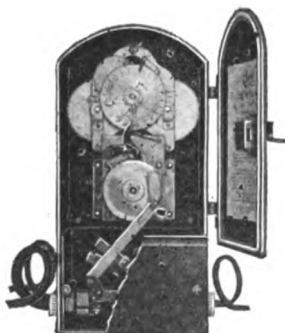
Types A, B, C, D, E, F and G are single-pole, A. C. or D. C., for 250 volts or less, 20 amperes or less—10 amperes or less on each circuit.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

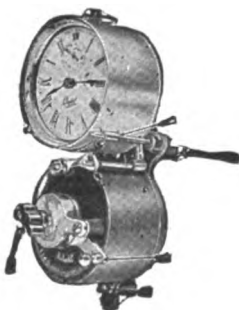
CAMPBELL TIME SWITCHES



Types C and F



Types J and K



Type A

TYPE C—8-DAY, TWO OPERATIONS DAILY

Trade No.	Mfrs. No.	Cap. Amps.	Voltage	No. of Poles	Price Each
019636	101	30	250	2	\$30.00
019637	102	60	250	2	32.00
019639	104	100	250	2	45.00
019640	105	150	250	2	50.00
019641	106	200	250	2	55.00
019642	107	250	250	2	60.00
019643	108	30	250	3	32.00
019644	109	60	250	3	35.00
019646	111	100	250	3	50.00
16291	112	200	250	3	65.00

Dimensions: Height, 14¼ in.; width, 6 in.; depth, 5 in.
Add 10 per cent for Sunday cut-out or four operations daily.

TYPE F—8-DAY, DOUBLE-THROW

019647	301	30	250	1	30.00
019648	302	60	250	1	32.00
019649	303	30	250	2	32.00
019650	304	60	250	2	35.00

Dimensions: Height, 14¼ in.; width, 6 in.; depth, 5 in.
Constructed for use on two-rate meter service.

Add 10 per cent for Sunday cut-out or four operations daily.

TYPE J—8-DAY, TWO-CIRCUIT

Operates as follows: All circuits on; No. 1 off; No. 2 off; or all circuits off; No. 1 on; No. 2 on. Specify with order if latter alternative is desired.

019651	401	30	250	1	32.00
019652	402	60	250	1	34.00

Dimensions: Height, 14¼ in.; width, 6 in.; depth, 5 in.

TYPE K—8-DAY, THREE-CIRCUIT

Similar to Type J, operating three circuits instead of two.

019653	403	30	250	1	35.00
019654	404	60	250	1	37.00

TYPE E, OIL BREAK—8-DAY, TWO OPERATIONS DAILY

Is made to control series street lighting circuits, and will break circuits of any potential up to and including 4500 volts.

019655	201	25	2500	1	35.00
019656	202	25	4500	1	45.00
16287	203	25	2500	2	40.00
16288	204	25	4500	2	50.00

Dimensions: Height, 16½ in.; width, 8 in.; depth, 7 in.
Add 10 per cent for four operations daily.

TYPE A—1-DAY, ONE WINDING

Campbell Type A Time Switch may be installed anywhere that the snap switch may be used. The snap switch can be manually operated by the button, independent of the time switch mechanism. The clock can be removed to be wound and set. Each switch is finished in nickel and black enamel.

019657	1	10	250	2	7.00
019658	2	20	250	2	8.00
019659	3	35	250	2	9.00
019660	4	10	250	3	9.00
019661	5	20	250	3	10.00
019662	6	35	250	3	11.00

Dimensions: Height, 10 in.; width, 6 in.; depth, 4¼ in.

TYPE ES—8-DAY

Short-circuits one section of a series loop and at same time disconnects unused section from line.

16239	205	25	2500	1	45.00
16290	206	25	4500	1	55.00

TYPE SS—8-DAY

Switch and clock, removable and interchangeable. Two operations each 24 hours.

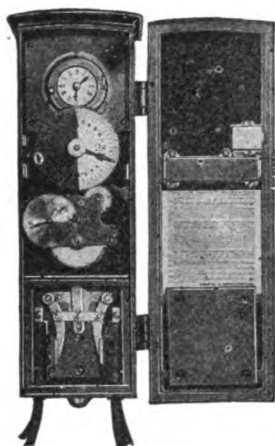
16292	701	10	250	1	25.00
16293	702	10	250	2	26.00

Dimensions: Height, 10¼ in.; width, 5½ in.; depth, 4¾ in.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ANDERSON AUTOMATIC TIME SWITCHES

TYPE F—DOUBLE-POLE, SINGLE-THROW, 250 VOLTS



Type F

Trade No.	Mfrs. No.	Cap. Amps.	DIMENSIONS, INCHES			Ship. Wt., Lbs.	Price Each
			Length	Width	Depth		
57532	11000	25	17½	5¾	4½	50	\$31.00
57533	11001	50	17½	5¾	4½	50	36.00
57534	11002	75	17½	5¾	4½	55	55.00
57535	11003	100	22	8½	5	85	100.00
57536	11004	200	22	8½	5	85	120.00

Type F switch can be furnished with cut-out to omit operation during Sunday or on a holiday.

Add \$3.00 to list price for 25, 50 and 75-ampere and \$5.00 to list for 100 and 200-ampere.

Saturday Night Extension Device

This attachment makes it possible to illuminate for a given time every night of the week but one, and on the night desired to continue the lighting for a longer period. Type F can be furnished with this attachment when specified.

Add \$6.90 to list for 25, 50 and 75-ampere and \$8.00 for 100 and 200-ampere.

Double Operation, Daily Attachment

Type F can be furnished to operate four times daily, that is, to close the circuit and open it twice each day, instead of once.

Add \$6.90 to list for 25, 50 and 75-ampere and \$8.00 for 100 and 200-ampere.

TYPE L—DOUBLE OR TRIPLE-POLE, HIGH TENSION, OIL BREAK

This type of switch is constructed for handling alternating current up to and including 6600 volts, and is furnished either two or three-pole. It is an oil break switch having the same high grade propelling mechanism and timepiece as used in all these time switches. Although primarily designed for constant potential circuits, this apparatus is also used extensively in connection with small constant current transforming apparatus where the lamps can safely be connected to the secondary coil of the transformer in its position of maximum voltage. The prices listed below are for complete apparatus, including oil chamber and sufficient oil to fill same to the working level.

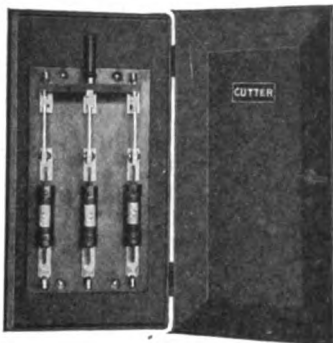
For Potentials not Exceeding 3300 Volts

Cap. Amps	DIMENSIONS, INCHES			Weight Pounds	Double-Pole			Triple-Pole		
					Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
25	21	10¼	7¼	65	57537	11039	\$60.00	57541	11043	\$72.00
50	21	10¼	7¼	65	57538	11040	65.00	57542	11044	80.00

For Potentials not Exceeding 6600 Volts

25	21	19	8½	80	57539	11080	100.00	57543	11084	120.00
50	21	19	8½	80	57540	11081	110.00	57544	11085	135.00

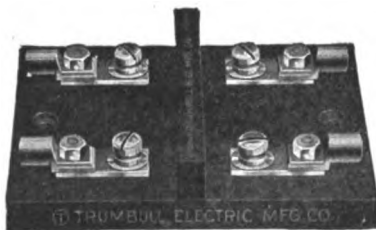
BOXES AND SWITCHES



Service Box With 3-Pole Fused Knife Switch

Service Box
With 3-Pole Porcelain
Plug Fuse Switch
No. 37571Service Box
With 2-Pole Porcelain
Plug Fuse Switch
No. 37572

Switch for Open Link Fuses



Fuse or Gear Block

CUTTER SERVICE SWITCHES AND BOXES

Boxes contain Cutter Paragon Knife Switches with New Code fuse terminals at hinge end. Three knock-outs in each end. Door may be closed with switch open or closed.

BOXES FOR 250-VOLT SWITCHES

Trade No.	Capacity Amperes	DIMENSIONS, INCHES			Price Each
		Two-pole			
		Depth	Length	Width	
37541	30	3½	12	5	\$3.00
37542	60	3½	15	7	4.10
37543	100	5	20	8	7.20
37544	200	6	26	9	12.00
37545	400	7	32	11	24.00
Three-pole					
37546	30	3½	12	7	4.00
37547	60	3½	15	9	5.60
37548	100	5	20	10	10.00
37549	200	6	26	11	17.00
37550	400	7	32	15	36.00
Four-pole					
37551	30	3½	12	10	5.00
37552	60	3½	15	12	7.20
37553	100	5	20	13	14.00
37554	200	6	26	15	22.00
37555	400	7	32	21	50.00

BOXES FOR 600-VOLT SWITCHES

DIMENSIONS, INCHES					
		Two-pole			
37556	30	3½	12	9	6.00
37557	60	3½	15	10	7.00
37558	100	5	20	11	12.00
37559	200	6	26	13	20.00
37560	400	7	32	15	38.00
		Three-pole			
37561	30	3½	12	14	9.00
37562	60	3½	15	15	11.00
37563	100	5	20	16	18.00
37564	200	6	26	20	30.00
37565	400	7	32	22	60.00
		Four-pole			
37566	30	3½	12	18	12.50
37567	60	3½	15	20	15.00
37568	100	5	20	22	25.00
37569	200	6	26	26	40.00
37570	400	7	32	29	80.00

Add 10 per cent to list price for switches fused at handle end. Boxes longer than 24 inches are No. 14 U. S. gauge.

Add for cylinder lock and key, 50 cents each, net.

BOXES FOR PORCELAIN PLUG SWITCHES

The following service boxes are furnished complete, with 30-ampere porcelain plug fused switch mounted therein.

Trade No.	Description	Price Each
37571	Three-wire box, 3 1/2 x 8 x 12 inches	\$3.00
37572	Two-wire box, 3 1/2 x 6 x 12 inches..	2.20

Standard package, 25, same size and kind.

KAPPA SWITCHES—FOR OPEN LINK FUSES

Front Connection—Single Throw—Plain Finish

Trade No.	Mfrs. No.	Volts	Amps.	No. of Poles	Std. Pkg.	Wt. Lbs.	Price Each
135151	27	250	30	2	50	100	\$0.90
135152	28	125-250	30	3	25	70	1.32

FUSE OR GEAR BLOCKS FOR OPEN LINK FUSES

250 Volts—Slate Base with Barriers

Amps.	Single-pole			Double-pole			Three-pole			Four-pole		
	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
0-30	135153	8200	\$0.36	135157	8207	\$0.60	135161	8214	\$0.92	135165	8221	\$1.20
31-60	135154	8201	.68	135158	8208	1.06	135162	8215	1.56	135166	8222	2.12
61-100	135155	8202	1.04	135159	8209	1.72	135163	8216	2.56	135167	8223	3.44
101-200	135156	8203	1.56	135160	8210	2.60	135164	8217	3.90	135168	8224	5.20

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SWITCH BOXES

NATIONAL ELECTRICAL CODE STANDARD

ENTRANCE SWITCH BOXES

The illustration, No. 4081, shows box with lid open; on the side a small trigger is placed to hold the lid open while mounting and wiring the switch. A spiral spring holds the lid shut, and in addition a spring catch is placed so that the box remains closed in whatever position it is placed.



No. 4081

Drilled for Open Work

Trade No.	Mfrs. No.	DIMENSIONS, INCHES			Take Switches Mfrs. Nos.	Std. Pkg.	Price Each
		Width	Depth	Height			
11132	4080	4	3½	7½	4014, 4016	10	\$2.10
11133	4081	5	3⅞	10⅞	4020, 4024 4030, 4032	10	3.00
11134	4082	6	3⅞	10⅞	4021, 4025 4031, 4033	10	3.50
11135	4086	6⅝	4⅜	15½	5150, 5151	5	5.50
11136	4087	6⅝	4⅜	15½	5152, 5153	5	5.60

Drilled for Conduit Work

11137	4083	4	3½	8⅜	4014, 4016	10	2.05
11138	4084	5	3⅞	11½	4020, 4024 4030, 4032	10	2.95
11139	4085	6	3⅞	11½	4021, 4025 4031, 4033	10	3.60
11140	4088	6⅝	4⅜	15½	5150, 5151 5152, 5153	5	5.45

LE MANQUAIS TYPE

Drilled for Open Work

11141	4600	3¾	3¾	8¼	4014, 4016	10	1.90
11142	4610	4½	3⅞	9½	4020, 4024	10	2.50
11143	4620	5⅝	4	10	4021, 4025	10	3.25
11144	4630	7½	5	16	5150, 5151	5	5.25
11145	4635	7½	5	16	5152, 5153	5	5.30

Drilled for Conduit Work

11146	4601	3¾	3¾	8¼	4014, 4016	10	1.85
11147	4611	4½	3⅞	9½	4020, 4024	10	2.45
11148	4621	5⅝	4	10	4021, 4025	10	3.15
11149	4640	7½	5	16	5150, 5151 5152, 5153	5	5.20

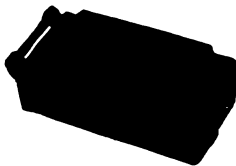
The entrance switch boxes are all regularly finished in hard-baked black japan.

JUNCTION OR PULL BOXES

These are the most convenient boxes for use where it is desired to make a junction of two or more conduits of large size, demanding more room for such joints than is to be found in ordinary junction boxes. The regular finish is black japan.

Trade No.	Mfrs. No.	INSIDE DIMENSIONS, INCHES			Standard Package	Price Each
		Width	Depth	Height		
11150	4410	4½	2¼	6	25	\$1.85
11151	4412	6	4	9	15	3.50

In ordering these pull boxes we should invariably be advised how many and of what size are the desired outlets.



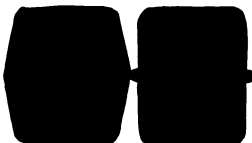
No. 4082



No. 4600



No. 4610

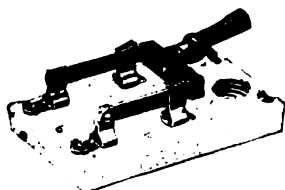


No. 4410

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT SWITCHES

NATIONAL ELECTRICAL CODE STANDARD



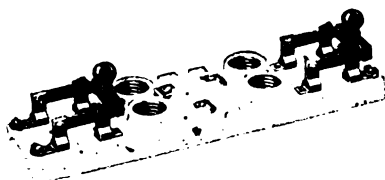
No. 1692



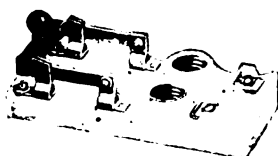
Nos. 358 and 1695



No. 1852



No. 1984



No. 1987

BRYANT ENTRANCE SWITCHES

SCHEDULE I

Double-pole, 30 Amperes, 125 Volts

Trade No.	Mfrs. No.	Location Fuses	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
021085	1695	Top	1	100	170	\$0.90
021086	1981	Bottom	1	100	170	.90
021087	*1692	Top	1	100	240	1.00
021088	*1985	Bottom	1	100	240	1.00

Triple-pole, 30 Amperes, 125 Volts

021089	1693	Top	1	50	150	1.40
021090	1986	Bottom	1	50	150	1.40

IRON BOXES FOR ENTRANCE SWITCHES

SCHEDULE H

Cover cannot open beyond the point where gravity can close it. Latch holds cover open while connecting and wiring switch. Recesses in covers are deep enough to admit plug fuse casings. Cover is held shut by spring catch and can be padlocked or sealed. Cover can be closed when switch is open. Boxes are finished dull black japan finish.

30 Amperes, Drilled for Open Work

Trade No.	Mfrs. No.	Style Pole	Takes Switches Mfrs. Nos.	Car- ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
021102	358	Double	1695, 1981	1	10	70	\$2.00
021103	359	Double	1692, 1985	1	10	110	2.35
021104	360	Triple	1693, 1986	1	10	130	2.45

30 Amperes, Drilled for Conduit Work

021105	378	Double	1695, 1981	1	10	70	2.00
021106	379	Double	1692, 1985	1	10	110	2.35
021107	380	Triple	1693, 1986	1	10	134	2.45

Boxes for conduit work will be furnished with one hole for $\frac{1}{2}$ -inch conduit in each end, unless otherwise specified.

BRYANT PANEL SWITCHES

SCHEDULE I

30 Amperes, 125 Volts, Double-pole, Single Branch

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
021091	1851	Top	1	100	210	\$1.00
021092	1982	Bottom	1	100	210	1.00
021093	*1694	Top	1	50	130	1.10
021094	*1987	Bottom	1	50	130	1.10

30 Amperes, 125 Volts, Double-pole, Double Branch

021095	1852	Vertical mains	1	50	180	2.00
021096	1983	Horizontal mains	1	50	180	2.00

30 Amperes, 125 Volts, Triple to Double-pole, Double Branch

021097	1947	Vertical mains	1	50	220	2.10
021098	1984	Horizontal mains	1	50	220	2.10

*These switches have 250-volt spacings but are approved for use only on 125 volts.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PERKINS PANEL SWITCHES

NATIONAL ELECTRICAL CODE STANDARD

SCHEDULE H

PANEL SWITCHES

Each branch is fitted with a 10-ampere double-pole indicating snap switch, which is mounted on a separate porcelain base and may be removed without disturbing either main or branch connections. These switches may be installed in any standard cabinet having a minimum depth of 3 inches.

WITH CONNECTIONS FOR PLUG FUSES

10 Amperes, 125 Volts

*With Dead Fronts and Push Button Switches

Trade No.	Mfrs. No.	Description	Carton Pkg.	Std. Pkg.	Std. Pkg.	Price Each
19826	2698	Double-pole, single-branch, 6½x3 inches.....	1	10	..	\$2.25
19827	2699	Double-pole, double-branch, 10½x3 inches..	1	10	..	3.50
19828	2700	Triple to double-pole, double-branch, 11½x3 inches	1	10	..	3.75

*With Dead Fronts and Rotary Switches

19823	2598	Double-pole, single-branch, 6½x3 inches.....	1	10	27	2.00
19824	2599	Double-pole, double-branch, 10½x3 inches..	1	10	45	2.50
19825	2600	Triple to double-pole, double-branch, 11½x3 in..	1	10	45	3.25

With Open Fronts and Rotary Switches

021099	2400	Double-pole, single-branch, 6½x3 inches.....	1	10	15	1.60
021100	2300	Double-pole, double-branch, 10½x3 inches..	1	10	17	2.25
021101	2360	Triple to double-pole, double-branch, 11½x3 in..	1	10	20	3.00

WITH CONNECTIONS FOR CARTRIDGE FUSES

10 Amperes, 250 Volts

*With Dead Fronts and Push Button Switches

19829	2684	Double-pole, single-branch, 7½x3 inches.....	1	10	..	2.25
19830	2685	Double-pole, double-branch, 12½x3 inches..	1	10	..	3.50
19831	2686	Triple to double-pole, double-branch 14x3 inches.	1	10	..	3.75

*With Dead Fronts and Rotary Switches

121361	2687	Double-pole, single-branch, 7½x3 inches.....	1	10	..	2.00
121362	2688	Double-pole, double-branch, 12½x3 inches..	1	10	..	3.00
121363	2689	Triple to double-pole, double-branch, 14x3 inches.	1	10	..	3.25

With Open Fronts and Rotary Switches

19819	2534	Double-pole, single-branch, 7½x3 inches.....	1	10	27	1.60
19820	2535	Double-pole, double-branch, 12½x3 inches..	1	10	45	2.25
19821	2536	Triple to double-pole, double-branch, 14x3 inches.	1	10	45	3.00

MECHANISMS

121364	2595	Rotary, without handle..	10	100	..	.71
121365	2523	Push button.....	10	50	..	.80

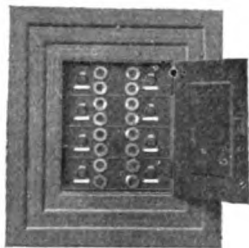
*The covers of these switches are steel, lined with insulating material. Each cover has an overhanging edge which engages with the cover of the adjoining switch, thereby effectively preventing accidental contact with any live parts. Covers are the same length as the bases.

Orders will regularly be filled with switches having dull black covers. White enamel covers will be supplied, when specified without extra charge. All other finishes on covers, add 50 cents.

Push button switches can be converted into lock switches by substituting, for No. 2523 push button mechanisms, No. 2526 lock mechanisms. Rotary switches can be converted into lock switches by substituting, for the handles, No. 2384 lock attachment.

Illustrations are one-seventh actual size.

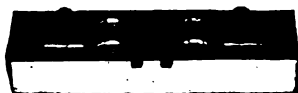
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



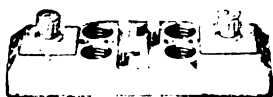
Four No. 2599 Switches
Installed in a Gutter
Cabinet



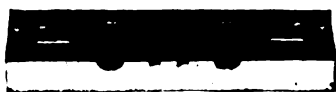
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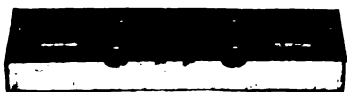
No. 2599



No. 2300



No. 2685



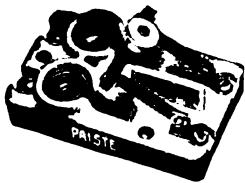
No. 2688



No. 2535

ENTRANCE SWITCHES AND PANEL CUT-OUTS

NATIONAL ELECTRICAL CODE STANDARD



No. 4014

ENTRANCE SWITCHES, FUSIBLE AT TOP

For Plug Fuses

Trade No.	Mfrs. No.	CAPACITY Amps.	No. of Poles	Size Inches	Std. Pkg.	Wt. Lbs.	Price Each
11100	4014	30	125	2 2 1/2 x 3 x 5 1/4	100	172	\$0.90
11101	4020	30	250	2 2 1/2 x 3 1/2 x 5 3/4	100	300	1.00
11102	4022	30	250	2 2 1/2 x 3 1/2 x 5 3/4	50	150	1.10
11103	4021	30	125	3 2 1/2 x 4 3/4 x 5 1/4	50	190	1.40
11104	4023	30	125	3 2 1/2 x 4 3/4 x 5 1/4	25	110	1.40

For Enclosed Fuses

11105	4030	30	250	2 2 1/2 x 3 3/4 x 6 1/2	25	95	1.15
11106	5150	60	250	2 3 1/8 x 5 1/2 x 9 7/8	10	75	1.95
11107	4031	30	125	3 2 1/2 x 4 3/4 x 6	25	130	1.75
11108	5152	60	250	3 3 1/8 x 5 1/2 x 9 7/8	5	58	2.80

Nos. 4022 and 4023 are furnished with heavy terminals at fuse ends for No. 4 B. & S. wire.



No. 4021

ENTRANCE SWITCHES, FUSIBLE AT BOTTOM

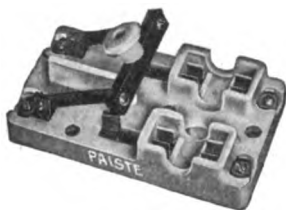
For Plug Fuses

11109	4016	30	125	2 2 1/2 x 3 x 5 1/4	100	172	.90
11110	4024	30	250	2 2 1/2 x 3 1/2 x 5 3/4	100	300	1.00
11111	4028	30	250	2 2 1/2 x 3 1/2 x 5 3/4	50	150	1.10
11112	4025	30	125	3 2 1/2 x 4 3/4 x 5 1/4	50	190	1.40
11113	4029	30	125	3 2 1/2 x 4 3/4 x 5 1/4	25	110	1.40

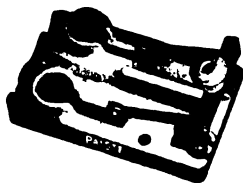
For Enclosed Fuses

11114	4032	30	250	2 2 1/2 x 3 3/4 x 6 1/2	25	95	1.15
11115	5151	60	250	2 3 1/8 x 5 1/2 x 9 7/8	10	75	1.95
11116	4033	30	125	3 2 1/2 x 4 3/4 x 6	25	130	1.75
11117	5153	60	250	3 3 1/8 x 5 1/2 x 9 7/8	5	58	2.80

Nos. 4028 and 4029 are furnished with heavy terminals and fuse ends for No. 4 B. & S. wire.



No. 4030



No. 4024

PANEL CUT-OUTS, FOR ROTARY SWITCHES

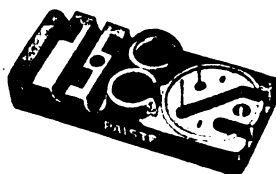
Panel cut-outs for rotary switches have all the advantages for easy panel board building possessed by those of the knife switch type, besides several other features that make them more elastic in their use.

They can be wired in either a horizontal or vertical position, so that one stock is all that is necessary for both ways of feeding in your mains to the distribution board.

On the snap switch end can be used any 10-ampere indicating switch.

The contacts enable the use of all approved switches. The inside contacts are made by connecting the switch to the two upright wires shown. The outside contacts are wired to the ends of the branch circuits.

Should a switch break down, it can be easily and quickly removed and another put in its place without disturbing the line connections.



No. 5191

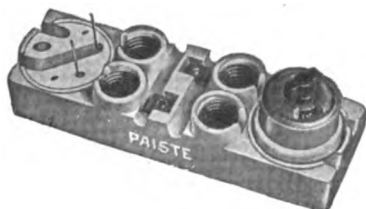
Two-Wire Mains, Two-Wire Branches with Plug Fuses

Trade No.	Mfrs. No.	Branches	Size Inches	Std. Pkg.	Wt. Lbs.	Price Each
11118	5190	Single	3 1/8 x 3 x 6 1/8	50	122	\$0.70
11119	5192	Double	3 1/2 x 3 x 10 3/8	25	125	1.30

Three-Wire Mains, Two-Wire Branches with Plug Fuses

11120	5191	Single	3 1/8 x 3 x 7 1/4	50	151	.80
11121	5193	Double	3 1/2 x 3 x 11 3/8	25	140	1.40

All above illustrations are one sixth actual size.

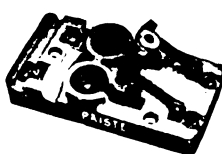


No. 5192

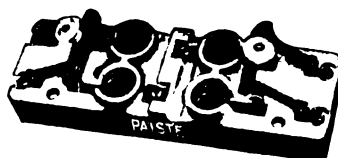
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PANEL CUT-OUTS

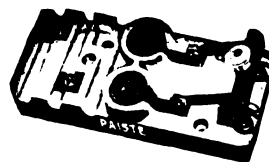
NATIONAL ELECTRICAL CODE STANDARD



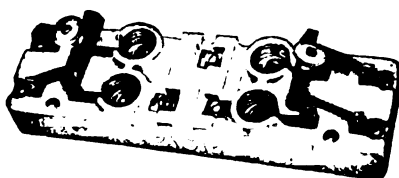
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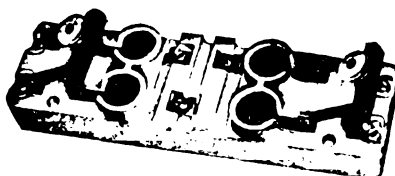
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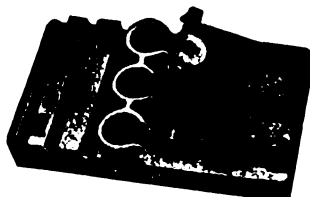
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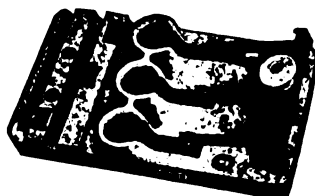
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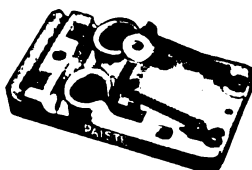
No. 4019



No. 4103



No. 4104



No. 4101



No. 4105

TWO-WIRE MAINS—125 VOLTS

Mains Vertical, Branches Horizontal, Two-wire

Trade No.	Mfrs. No.	Cap. Amps.	Branches	Size Inches	Std. Pkg.	Wt. Lbs.	Price Each
10882	4012	30	Single	2½x3x6⅝	100	185	\$1.00
10884	4015	30	Double	3x3x11⅝	50	250	2.00

Mains Horizontal, Branches Vertical, Two-wire

10883	4017	30	Single	2½x3x6⅝	100	185	1.00
10885	4018	30	Double	3x3x11⅝	50	250	2.00

THREE-WIRE SYSTEM—125 VOLTS

Mains Vertical, Branches Horizontal, Two-wire

10886	4026	30	Single	2⅝x3x7¼	50	135	1.10
10888	4013	30	Double	3x3x11⅝	50	270	2.10

Mains Horizontal, Branches Vertical, Two-wire

10887	4027	30	Single	2⅝x3x7¼	50	135	1.10
10889	4019	30	Double	3x3x11⅝	50	270	2.10

Mains Vertical, Branches Horizontal, Three-wire

10890	4103	30	Single	2⅝x4¾x7¼	25	136	2.00
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Mains Horizontal, Branches Vertical, Three-wire

10891	4104	30	Single	2⅝x4¾x7¼	25	136	2.00
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TWO-WIRE SYSTEM—250* VOLTS

Mains Vertical, Branches Horizontal, Two-wire

10892	*4101	30	Single	2¼x3⅝x6¾	50	154	1.10
10893	*4105	30	Double	27⁄8x3¾x11¾	25	163	2.20

Mains Horizontal, Branches Vertical, Two-wire

10894	*4102	30	Single	2¼x3⅝x6¾	50	154	1.10
10895	*4106	30	Double	27⁄8x3¾x11¾	25	163	2.20

*Not National Electrical Code Standard.

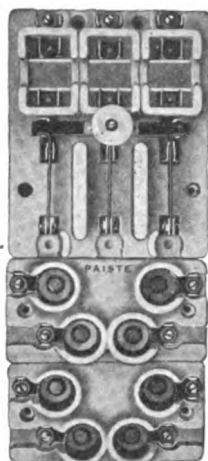
All illustrations on this page one sixth actual size.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PANELETTES

NATIONAL ELECTRICAL CODE STANDARD

TYPE A—TWO-WIRE, MAIN SWITCHES



No. 5316

Trade No.	Mfr. No.	No. Circuits	Height Inches	Dimensions Inches	Price Each
30-Ampere Capacity					
27751	5110	2	2 $\frac{5}{8}$	5 $\frac{1}{8}$ x 7 $\frac{5}{8}$	\$1.40
27752	5111	4	2 $\frac{5}{8}$	5 $\frac{1}{8}$ x10 $\frac{3}{8}$	2.05
27753	5112	6	2 $\frac{5}{8}$	5 $\frac{1}{8}$ x13 $\frac{3}{8}$	2.70
60-Ampere Capacity					
27754	5113	8	3 $\frac{1}{8}$	5 $\frac{1}{8}$ x17 $\frac{5}{8}$	4.05
27755	5114	10	3 $\frac{1}{8}$	5 $\frac{1}{8}$ x20 $\frac{1}{8}$	4.70
27756	5115	12	3 $\frac{1}{8}$	5 $\frac{1}{8}$ x23 $\frac{3}{4}$	5.35

TYPE A—THREE-WIRE, MAIN SWITCHES

30-Ampere Capacity					
27757	5120	2	2 $\frac{5}{8}$	5 $\frac{7}{8}$ x 7 $\frac{5}{8}$	2.05
27758	5121	4	2 $\frac{5}{8}$	5 $\frac{7}{8}$ x10 $\frac{3}{8}$	2.75
27759	5122	6	2 $\frac{5}{8}$	5 $\frac{7}{8}$ x13 $\frac{3}{8}$	3.45
27760	5123	8	2 $\frac{5}{8}$	5 $\frac{7}{8}$ x16 $\frac{1}{2}$	4.15
27761	5124	10	2 $\frac{5}{8}$	5 $\frac{7}{8}$ x19 $\frac{3}{8}$	4.85
60-Ampere Capacity					
27762	5125	12	3 $\frac{1}{8}$	5 $\frac{7}{8}$ x23 $\frac{3}{4}$	6.45
27763	5126	14	3 $\frac{1}{8}$	5 $\frac{7}{8}$ x26 $\frac{3}{8}$	7.15
27764	5127	16	3 $\frac{1}{8}$	5 $\frac{7}{8}$ x29 $\frac{7}{8}$	7.85
27765	5128	18	3 $\frac{1}{8}$	5 $\frac{7}{8}$ x32 $\frac{1}{2}$	8.55
27766	5129	20	3 $\frac{1}{8}$	5 $\frac{7}{8}$ x36	9.25

TYPE B—TWO-WIRE, MAIN SWITCHES AND FUSES

30-Ampere Capacity					
27767	5300	2	2 $\frac{1}{2}$	5 $\frac{1}{8}$ x10 $\frac{1}{8}$	1.80
27768	5301	4	2 $\frac{1}{2}$	5 $\frac{1}{8}$ x13 $\frac{5}{8}$	2.45
27769	5302	6	2 $\frac{1}{2}$	5 $\frac{1}{8}$ x16 $\frac{1}{8}$	3.10
60-Ampere Capacity					
27770	5303	8	3 $\frac{1}{8}$	5 $\frac{1}{8}$ x22 $\frac{1}{4}$	4.55
27771	5304	10	3 $\frac{1}{8}$	5 $\frac{1}{8}$ x25 $\frac{5}{8}$	5.20
27772	5305	12	3 $\frac{1}{8}$	5 $\frac{1}{8}$ x28 $\frac{3}{8}$	5.85

TYPE B—THREE-WIRE, MAIN SWITCHES AND FUSES

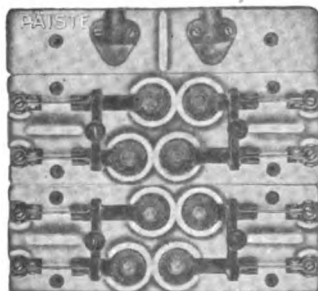
30-Ampere Capacity					
27773	5315	2	2 $\frac{1}{2}$	5 $\frac{7}{8}$ x10 $\frac{1}{8}$	2.65
27774	5316	4	2 $\frac{1}{2}$	5 $\frac{7}{8}$ x13 $\frac{5}{8}$	3.35
27775	5317	6	2 $\frac{1}{2}$	5 $\frac{7}{8}$ x16 $\frac{1}{8}$	4.05
27776	5318	8	2 $\frac{1}{2}$	5 $\frac{7}{8}$ x19 $\frac{3}{4}$	4.75
27777	5319	10	2 $\frac{1}{2}$	5 $\frac{7}{8}$ x22 $\frac{3}{8}$	5.45
60-Ampere Capacity					
27778	5320	12	3 $\frac{1}{8}$	5 $\frac{7}{8}$ x28 $\frac{3}{8}$	7.20
27779	5321	14	3 $\frac{1}{8}$	5 $\frac{7}{8}$ x31 $\frac{7}{8}$	7.90
27780	5322	16	3 $\frac{1}{8}$	5 $\frac{7}{8}$ x34 $\frac{1}{2}$	8.60
27781	5323	18	3 $\frac{1}{8}$	5 $\frac{7}{8}$ x37 $\frac{9}{8}$	9.30
27782	5324	20	3 $\frac{1}{8}$	5 $\frac{7}{8}$ x40 $\frac{5}{8}$	10.00

TYPE C—TWO-WIRE, BRANCH SWITCHES

30-Ampere Capacity					
27783	5130	2	2 $\frac{3}{4}$	9 $\frac{3}{4}$ x 5 $\frac{7}{8}$	2.50
27784	5131	4	2 $\frac{3}{4}$	9 $\frac{3}{4}$ x 8 $\frac{7}{8}$	4.60
27785	5132	6	2 $\frac{3}{4}$	9 $\frac{3}{4}$ x12 $\frac{5}{8}$	6.70
27786	5133	8	2 $\frac{3}{4}$	9 $\frac{3}{4}$ x15 $\frac{3}{4}$	8.80
27787	5134	10	2 $\frac{3}{4}$	9 $\frac{3}{4}$ x19 $\frac{3}{8}$	10.90
27788	5135	12	2 $\frac{3}{4}$	9 $\frac{3}{4}$ x22 $\frac{5}{8}$	13.00
27789	5136	14	2 $\frac{3}{4}$	9 $\frac{3}{4}$ x26 $\frac{1}{8}$	15.10
27790	5137	16	2 $\frac{3}{4}$	9 $\frac{3}{4}$ x29 $\frac{1}{2}$	17.20
27791	5138	18	2 $\frac{3}{4}$	9 $\frac{3}{4}$ x32 $\frac{1}{2}$	19.30
27792	5139	20	2 $\frac{3}{4}$	9 $\frac{3}{4}$ x36 $\frac{3}{8}$	21.40

TYPE C—THREE-WIRE, BRANCH SWITCHES

30-Ampere Capacity					
27793	5140	2	2 $\frac{3}{4}$	10 $\frac{1}{2}$ x 5 $\frac{7}{8}$	2.75
27794	5141	4	2 $\frac{3}{4}$	10 $\frac{1}{2}$ x 8 $\frac{7}{8}$	5.00
27795	5142	6	2 $\frac{3}{4}$	10 $\frac{1}{2}$ x12 $\frac{5}{8}$	7.25
27796	5143	8	2 $\frac{3}{4}$	10 $\frac{1}{2}$ x15 $\frac{3}{4}$	9.50
27797	5144	10	2 $\frac{3}{4}$	10 $\frac{1}{2}$ x19 $\frac{3}{8}$	11.75
27798	5145	12	2 $\frac{3}{4}$	10 $\frac{1}{2}$ x22 $\frac{5}{8}$	14.00
27799	5146	14	2 $\frac{3}{4}$	10 $\frac{1}{2}$ x26 $\frac{1}{8}$	16.25
27800	5147	16	2 $\frac{3}{4}$	10 $\frac{1}{2}$ x29 $\frac{1}{2}$	18.50
27801	5148	18	2 $\frac{3}{4}$	10 $\frac{1}{2}$ x32 $\frac{1}{2}$	20.75
27802	5149	20	2 $\frac{3}{4}$	10 $\frac{1}{2}$ x36 $\frac{3}{8}$	23.00



No. 5131

Standard package, 5 of any number or 10 of any one type.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDISON PLUG CUT-OUTS AND FUSES

NATIONAL ELECTRICAL CODE STANDARD



No. 62569



No. 62965



No. 62165



No. 61935



No. 8042



No. 62587



No. 62199

PLUG CUT-OUTS

SCHEDULE I

30 Amperes, 125 Volts



No. 62135

Trade No.	Mfrs. No.	Description	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
043001	62569	Single-pole, main	10	150	70	\$0.18
043002	62965	Double-pole, main	10	150	100	.30
043003	62165	Triple-pole, main	5	100	102	.44
043004	61935	Double-pole, single branch	5	100	95	.32
043005	8042	Triple-pole, single branch	1	75	195	.54
043006	62587	Double-pole, double branch	5	100	160	.62
043007	62199	Three to two-wire, double branch	5	100	170	.64
013008	62135	Triple-pole, double branch	1	50	150	.90
043009	8020	Double-pole, single or double crossover branch	5	150	165	.36



No. 8020

PLUG FUSE CASINGS

SCHEDULE E

043010	1945	0-30 amps., 125 volts	10	100	17	.18
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Fuses are not included with the above casings; they should be ordered separately according to the carrying capacity desired.

PLUG FUSES

SCHEDULE I

Mica Cap—125 Volts



No. 1945

Trade No.	Mfrs. No.	Size Amps.	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
043011	66327	3	100	500	45	\$0.07
043012	66329	6	100	500	45	.07
043013	66331	10	100	500	45	.07
043014	66333	12	100	500	45	.07
043015	66335	15	100	500	45	.07
043016	66337	20	100	500	45	.07
043017	66339	25	100	500	45	.07
043018	66341	30	100	500	45	.07



No. 66341

For plug fuses with special finish caps, add 3 cents to above prices.

The above fuses can be furnished with solid brass caps on special order at 1/2 cent each in addition to above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDISON PLUG FUSES

NATIONAL ELECTRICAL CODE STANDARD

Regular Edison
Fuse Plug

REGULAR EDISON FUSE PLUGS

Trade No.	Mfrs. No.	Cap. Amps.	Std. Pkg.	Price Each	Trade No.	Mfrs. No.	Cap. Amps.	Std. Pkg.	Price Each
12904	66327	3	500	\$0.07	12908	66335	15	500	\$0.07
12905	66329	6	500	.07	12909	66337	20	500	.07
12906	66331	10	500	.07	12910	66339	25	500	.07
12907	66333	12	500	.07	12911	66341	30	500	.07

The above fuses can be furnished with solid brass cap on special order.

SIX-IN-ONE FUSE PLUGS

Six-in-one Fuse Plugs are economical, self-contained, non-refillable and fit standard installations. They insure continuous, uninterrupted service. Six fuses in one plug, made in all amperages from 3 to 30 for 125 volts maximum. Upper revolving part of Six-in-one contains six chambers for six separate fuse wires. When one of the fuses burn out, pull slightly on this upper part, which stands under the pressure of the spring and turn the part to the right. The new fuse snaps in at once.

Six-in-one
Fuse Plug

Trade No.	Cap. Amps.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each	Trade No.	Cap. Amps.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
132413	3	500	100	\$0.35	132417	20	500	100	\$0.35
132414	6	500	100	.35	132418	25	500	100	.35
132415	10	500	100	.35	132419	30	500	100	.35
132416	15	500	100	.35	....	....	....	....	....

Assortment of all sizes permitted to make up standard package quantity.

FUSETTE FUSE PLUGS

Fusette Fuse Plugs are refillable any number of times, effecting a large saving in fuse plug expense. The fuse strip is in a porcelain core, the fusette, which is removed from the holder when a fuse blows and replaced by a new fusette. The clip on the side of the fusette fastens it firmly in the holder and insures a good contact.

Fusette Fuse Plugs cost no more for first installation, and save 30% on renewals. When the renewable feature is not required, they look and act like ordinary fuse plugs. One stock fills all requirements for refillable and non-refillable plugs.



Holder



Fusette

Fusette Plug
Complete

Trade No.	Mfrs. No.	Cap. Amps.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each	Trade No.	Mfrs. No.	Cap. Amps.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
12919	2203	3	500	62	\$0.07	12923	2215	15	500	62	\$0.07
12920	2206	6	500	62	.07	12924	2220	20	500	62	.07
12921	2210	10	500	62	.07	12925	2225	25	500	62	.07
12922	2212	12	500	62	.07	12926	2230	30	500	62	.07

Fusette only, without Holders

12895	203	3	500	26	.05	12899	215	15	500	26	.05
12896	206	6	500	26	.05	12900	220	20	500	26	.05
12897	210	10	500	26	.05	12901	225	25	500	26	.05
12898	212	12	500	26	.05	12902	230	30	500	26	.05

Carton quantity, 50.

Holders only

Trade No.	Mfrs. No.	Carton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
12903	200	50	500	34	\$0.04



H & L Fuse Plug

H & L RE-FUSIBLE FUSE PLUGS

Trade No.	Mfrs. No.	Cap. Amps.	Std. Pkg.	Price Each	Trade No.	Mfrs. No.	Cap. Amps.	Std. Pkg.	Price Each
12912	320	3	....	\$0.20	12916	324	20	....	\$0.20
12913	321	6	....	.20	12917	325	25	....	.20
12914	322	10	....	.20	12918	326	30	....	.20
12915	323	15	....	.20	....	....	....	....	....

FUSE CASES

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
043010	1945	Fuse case only.....	100	17	\$0.18

Takes standard enclosed fuses, 250 volts, 0-30 amperes.



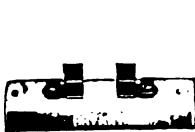
Fuse Case

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT ENCLOSED FUSE CUT-OUTS

NATIONAL ELECTRICAL CODE STANDARD

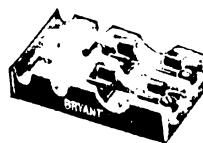
SCHEDULE E



No. 1929



No. 1924



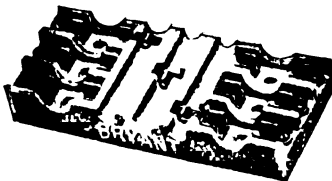
No. 1919



No. 1921

250 VOLTS

Porcelain Base



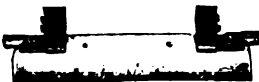
No. 1923



No. 271



No. 1935



No. 1938



No. 1941

Trade No.	Mfrs. No.	Cap. Amps.	Number of Poles	Car- ton	Std. Pkg.	Wt. Lbs.	Price Each
060401	1929	0- 30	Single, Main	5	50	45	\$0.40
060402	1917	0- 30	Double, Main	10	50	60	.55
060403	1924	0- 30	Triple, Main	5	50	55	.80
060404	1919	0- 30	Double, S. B.	5	50	70	.70
060405	1922	0- 30	Double, D. B.	1	25	57	1.30
060406	1928	0- 30	Triple, S. B.	1	50	140	1.35
060407	1928	0- 30	Triple, D. B.	1	25	110	2.25
060408	1921	0- 30	Crossover	1	50	65	.65
060409	1923	0- 30	Triple to DbL, D. B.	1	25	75	1.50
060410	1930	31- 60	Single, Main	5	50	91	.65
060411	1918	31- 60	Double, Main	1	50	130	1.40
060412	1925	31- 60	Triple, Main	1	50	180	2.00
060413	1920	31- 60	Double, S. B.	1	50	190	1.75
060414	1996	31- 60	Double, D. B.	1	25	140	3.50
060415	1927	31- 60	Triple, S. B.	1	50	310	3.00
060416	1998	31- 60	Triple, D. B.	1	10	85	6.00
060417	1997	31- 60	Triple to DbL, D. B.	1	25	150	4.20
060418	1931	61-100	Single, Main	1	50	150	1.40
060419	271	61-100	Double, Main	1	50	235	2.80
060420	272	61-100	Triple, Main	1	25	155	4.00
060421	1932	101-200	Single, Main	1	50	240	2.75

Slate Base

060422	1933	61-100	Single, Main	1	50	106	.90
060423	1934	101-200	Single, Main	1	50	190	2.10
060424	1935	201-400	Single, Main	1	25	125	5.25
060425	1936	401-600	Single, Main	1	10	125	7.20

600 VOLTS

Porcelain Base

060426	1937	0- 30	Single, Main	5	50	50	.80
060427	1938	31- 60	Single, Main	5	50	75	.90
060428	1939	61-100	Single, Main	1	50	170	1.75
060429	1940	101-200	Single, Main	1	50	250	3.00

Slate Base

060430	1941	61-100	Single, Main	1	50	130	1.32
060431	1942	101-200	Single, Main	1	50	230	2.30
060432	1943	201-400	Single, Main	1	25	150	6.00
060433	1944	401-600	Single, Main	1	10	140	7.80

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT ENCLOSED FUSES

NATIONAL ELECTRICAL CODE STANDARD
SCHEDULE E

250 VOLTS



No. 1853

Trade No.	Mfrs. No.	Cap. Amps.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each	Refill- ing Price
060434	1853	1	100	4	\$0.25	..
060435	1854	2	100	4	.25	..
060436	1855	3	100	4	.25	..
060437	1856	4	100	4	.25	..
060438	1857	5	100	4	.25	..
060439	1858	6	100	4	.25	..
060440	1859	8	100	4	.25	..
060441	1860	10	100	4	.25	..
060442	1861	12	100	4	.25	..
060443	1862	15	100	4	.25	..
060444	1863	20	100	4	.25	..
060445	1864	25	100	4	.25	..
060446	1865	30	100	4	.25	..
060447	1866	35	100	10	.35	..
060448	1867	40	100	10	.35	..
060449	1868	45	100	10	.35	..
060450	1869	50	100	10	.35	..
060451	1991	55	100	10	.35	..
060452	1870	60	100	10	.35	..
.....
.....

600 VOLTS



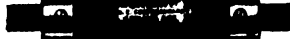
No. 1885

Trade No.	Mfrs. No.	Cap. Amps.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each	Refill- ing Price
060479	1885	1	100	14	\$0.40	..
060480	1886	2	100	14	.40	..
060481	1887	3	100	14	.40	..
060482	1888	4	100	14	.40	..
060483	1889	5	100	14	.40	..
060484	1890	6	100	14	.40	..
060485	156	7	100	14	.40	..
060486	1891	8	100	14	.40	..
060487	157	9	100	14	.40	..
060488	1892	10	100	14	.40	..
060489	1893	12	100	14	.40	..
060490	1894	15	100	14	.40	..
060491	1895	20	100	14	.40	..
060492	1896	25	100	14	.40	..
060493	1897	30	100	14	.40	..
060494	1898	35	100	22	.60	..
060495	1899	40	100	22	.60	..
060496	1900	45	100	22	.60	..
060497	1901	50	100	22	.60	..
060498	158	55	100	22	.60	..
060499	1902	60	100	22	.60	..



No. 1992

Trade No.	Mfrs. No.	Cap. Amps.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each	Refill- ing Price
060453	1992	65	50	14	.90	.60
060454	1993	70	50	14	.90	.60
060455	1871	75	50	14	.90	.60
060456	1988	80	50	14	.90	.60
060457	1872	85	50	14	.90	.60
060458	1989	90	50	14	.90	.60
060459	1994	95	50	14	.90	.60
060460	1873	100	50	14	.90	.60
060461	1995	110	25	18	2.00	.90
060462	150	120	25	18	2.00	.90
060463	1874	125	25	18	2.00	.90
060464	1875	150	25	18	2.00	.90
060465	1876	175	25	18	2.00	.90
060466	1877	200	25	18	2.00	.90
060467	1878	225	25	40	3.60	1.50
060468	1879	250	25	40	3.60	1.50
060469	151	275	25	40	3.60	1.50
060470	1880	300	25	40	3.60	1.50
060471	152	325	25	40	3.60	1.50
060472	1881	350	25	40	3.60	1.50
060473	153	375	25	40	3.60	1.50
060474	1882	400	25	40	3.60	1.50
060475	154	450	10	28	5.50	2.00
060476	1883	500	10	28	5.50	2.00
060477	155	550	10	28	5.50	2.00
060478	1884	600	10	28	5.50	2.00



No. 189

Trade No.	Mfrs. No.	Cap. Amps.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each	Refill- ing Price
060500	159	65	50	23	1.50	.80
060501	160	70	50	23	1.50	.80
060502	1903	75	50	23	1.50	.80
060503	161	80	50	23	1.50	.80
060504	1904	85	50	23	1.50	.80
060505	162	90	50	23	1.50	.80
060506	163	95	50	23	1.50	.80
060507	1905	100	50	23	1.50	.80
060508	164	110	25	34	2.50	1.20
060509	165	120	25	34	2.50	1.20
060510	1906	125	25	34	2.50	1.20
060511	1907	150	25	34	2.50	1.20
060512	1908	175	25	34	2.50	1.20
060513	1909	200	25	34	2.50	1.20
060514	1910	225	25	77	5.50	2.00
060515	1911	250	25	77	5.50	2.00
060516	166	275	25	77	5.50	2.00
060517	1912	300	25	77	5.50	2.00
75905	167	325	25	77	5.50	2.00
060518	1913	350	25	77	5.50	2.00
75906	168	375	25	77	5.50	2.00
060519	1914	400	25	77	5.50	2.00
060520	169	450*	10	49	8.00	3.00
060521	1915	500*	10	49	8.00	3.00
060522	170	550*	10	49	8.00	3.00
060523	1916	600*	10	49	8.00	3.00

On fuses 1-60 amperes capacity, carton quantity is 25; 65-100 amperes, 10; 110-200 amperes, 5; 225-600 amperes, 1

GLASS TUBE FUSES FOR ROSETTES AND ATTACHMENT PLUGS

250 VOLTS, SCHEDULE H

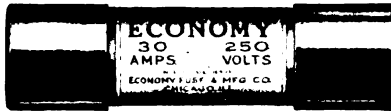
Trade No.	Mfrs. No.	Cap. Amps.	Size Inches	Carton	Std. Pkg.	Wt. Lbs. Std. Pkg.	Price Each
No. 348	75907	348	1 1/8 x 1/4	100	100	1 1/2	\$0.05
	75908	284	1 1/8 x 1/4	100	100	1 1/2	.05
	75909	349	1 1/8 x 1/4	100	100	1 1/2	.05

*Not National Electrical Code Standard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ECONOMY RENEWABLE CARTRIDGE FUSES

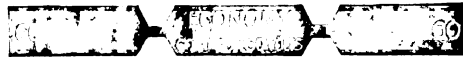
FERRULE TYPE FUSES



FERRULE TYPE RENEWAL LINKS



For Small Capacities



For Capacities Greater than 15 Amperes

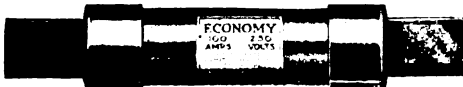
3-30 Amperes, 250 Volts

Trade No.	Mfrs. No.	Length Inches	Diam. of Ferrule Inches	Diam. of Tube Inches	Std. Pkg.	Wt., Lbs.	Price Each	Cap. Amps.	Trade No.	Mfrs. No.	Std. Pkg.	Wt., Lbs.	Price Each
58808	F-325	2	$\frac{9}{16}$	$\frac{1}{2}$	100	$5\frac{1}{4}$	\$0.50	3	58825	R-203	100	3	\$0.03
58809	F-425	2	$\frac{9}{16}$	$\frac{1}{2}$	100	$5\frac{1}{4}$	.50	4	58826	R-204	100	3	.03
58810	F-525	2	$\frac{9}{16}$	$\frac{1}{2}$	100	$5\frac{1}{4}$	.50	5	58827	R-205	100	3	.03
58811	F-625	2	$\frac{9}{16}$	$\frac{1}{2}$	100	$5\frac{1}{4}$	.50	6	58828	R-206	100	3	.03
58812	F-825	2	$\frac{9}{16}$	$\frac{1}{2}$	100	$5\frac{1}{4}$	.50	8	58829	R-208	100	3	.03
58813	F-1025	2	$\frac{9}{16}$	$\frac{1}{2}$	100	$5\frac{1}{4}$	.50	10	58830	R-210	100	3	.03
58814	F-1225	2	$\frac{9}{16}$	$\frac{1}{2}$	100	$5\frac{1}{4}$	.50	12	58831	R-212	100	3	.03
58815	F-1525	2	$\frac{9}{16}$	$\frac{1}{2}$	100	$5\frac{1}{4}$	.50	15	58832	R-215	100	3	.03
58816	F-2025	2	$\frac{9}{16}$	$\frac{1}{2}$	100	$5\frac{1}{4}$	.50	20	58833	R-220	100	3	.03
58817	F-2525	2	$\frac{9}{16}$	$\frac{1}{2}$	100	$5\frac{1}{4}$	.50	25	58834	R-225	100	3	.03
58818	F-3025	2	$\frac{9}{16}$	$\frac{1}{2}$	100	$5\frac{1}{4}$	.50	30	58835	R-230	100	3	.03

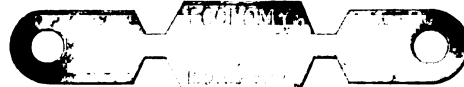
31-60 Amperes, 250 Volts

58819	F-3525	3	$\frac{5}{8}$	$\frac{3}{4}$	100	$13\frac{1}{2}$	1.00	35	58836	R-235	100	10	.05
58820	F-4025	3	$\frac{5}{8}$	$\frac{3}{4}$	100	$13\frac{1}{2}$	1.00	40	58837	R-240	100	10	.05
58821	F-4525	3	$\frac{5}{8}$	$\frac{3}{4}$	100	$13\frac{1}{2}$	1.00	45	58838	R-245	100	10	.05
58822	F-5025	3	$\frac{5}{8}$	$\frac{3}{4}$	100	$13\frac{1}{2}$	1.00	50	58839	R-250	100	10	.05
58823	F-5525	3	$\frac{5}{8}$	$\frac{3}{4}$	100	$13\frac{1}{2}$	1.00	55	58840	R-255	100	10	.05
58824	F-6025	3	$\frac{5}{8}$	$\frac{3}{4}$	100	$13\frac{1}{2}$	1.00	60	58841	R-260	100	10	.05

KNIFE-BLADE TYPE FUSES



KNIFE-BLADE TYPE RENEWAL LINKS



61-100 Amperes, 250 Volts

Trade No.	Mfrs. No.	Length of Blade Inches	Width of Blade Inches	Thickness of Blade Inches	Std. Pkg.	Wt., Lbs.	Price Each	Cap. Amps.	Trade No.	Mfrs. No.	Std. Pkg.	Wt., Lbs.	Price Each
58842	F-6525	$5\frac{7}{8}$	$\frac{3}{4}$	$\frac{1}{8}$	50	18	\$2.00	65	58868	R-265	50	6	\$0.10
58843	F-7025	$5\frac{7}{8}$	$\frac{3}{4}$	$\frac{1}{8}$	50	18	2.00	70	58869	R-270	50	6	.10
58844	F-7525	$5\frac{7}{8}$	$\frac{3}{4}$	$\frac{1}{8}$	50	18	2.00	75	58870	R-275	50	6	.10
58845	F-8025	$5\frac{7}{8}$	$\frac{3}{4}$	$\frac{1}{8}$	50	18	2.00	80	58871	R-280	50	6	.10
58846	F-8525	$5\frac{7}{8}$	$\frac{3}{4}$	$\frac{1}{8}$	50	18	2.00	85	58872	R-285	50	6	.10
58847	F-9025	$5\frac{7}{8}$	$\frac{3}{4}$	$\frac{1}{8}$	50	18	2.00	90	58873	R-290	50	6	.10
58848	F-9525	$5\frac{7}{8}$	$\frac{3}{4}$	$\frac{1}{8}$	50	18	2.00	95	58874	R-295	50	6	.10
58849	F-10025	$5\frac{7}{8}$	$\frac{3}{4}$	$\frac{1}{8}$	50	18	2.00	100	58875	R-2100	50	6	.10

101-200 Amperes, 250 Volts

58850	F-11025	$7\frac{1}{8}$	$1\frac{1}{8}$	$\frac{3}{16}$	25	22	4.00	110	58876	R-2110	25	7	.15
58851	F-12025	$7\frac{1}{8}$	$1\frac{1}{8}$	$\frac{3}{16}$	25	22	4.00	120	58877	R-2120	25	7	.15
58852	F-12525	$7\frac{1}{8}$	$1\frac{1}{8}$	$\frac{3}{16}$	25	22	4.00	125	58878	R-2125	25	7	.15
58853	F-15025	$7\frac{1}{8}$	$1\frac{1}{8}$	$\frac{3}{16}$	25	22	4.00	150	58879	R-2150	25	7	.15
58854	F-17525	$7\frac{1}{8}$	$1\frac{1}{8}$	$\frac{3}{16}$	25	22	4.00	175	58880	R-2175	25	7	.15
58855	F-20025	$7\frac{1}{8}$	$1\frac{1}{8}$	$\frac{3}{16}$	25	22	4.00	200	58881	R-2200	25	7	.15

201-400 Amperes, 250 Volts

58856	F-22525	$8\frac{5}{8}$	$1\frac{5}{8}$	$\frac{1}{4}$	25	48	7.50	225	58882	R-2225	25	14	.30
58857	F-25025	$8\frac{5}{8}$	$1\frac{5}{8}$	$\frac{1}{4}$	25	48	7.50	250	58883	R-2250	25	14	.30
58858	F-27525	$8\frac{5}{8}$	$1\frac{5}{8}$	$\frac{1}{4}$	25	48	7.50	275	58884	R-2275	25	14	.30
58859	F-30025	$8\frac{5}{8}$	$1\frac{5}{8}$	$\frac{1}{4}$	25	48	7.50	300	58885	R-2300	25	14	.30
58860	F-32525	$8\frac{5}{8}$	$1\frac{5}{8}$	$\frac{1}{4}$	25	48	7.50	325	58886	R-2325	25	14	.30
58861	F-35025	$8\frac{5}{8}$	$1\frac{5}{8}$	$\frac{1}{4}$	25	48	7.50	350	58887	R-2350	25	14	.30
58862	F-37525	$8\frac{5}{8}$	$1\frac{5}{8}$	$\frac{1}{4}$	25	48	7.50	375	58888	R-2375	25	14	.30
58863	F-40025	$8\frac{5}{8}$	$1\frac{5}{8}$	$\frac{1}{4}$	25	48	7.50	400	58889	R-2400	25	14	.30

401-600 Amperes, 250 Volts

58864	F-45025	$10\frac{3}{8}$	2	$\frac{1}{4}$	10	30	11.00	450	58890	R-2450	10	11	.60
58865	F-50025	$10\frac{3}{8}$	2	$\frac{1}{4}$	10	30	11.00	500	58891	R-2500	10	11	.60
58866	F-55025	$10\frac{3}{8}$	2	$\frac{1}{4}$	10	30	11.00	550	58892	R-2550	10	11	.60
58867	F-60025	$10\frac{3}{8}$	2	$\frac{1}{4}$	10	30	11.00	600	58893	R-2600	10	11	.60

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ECONOMY RENEWABLE CARTRIDGE FUSES

FERRULE TYPE FUSES



FERRULE TYPE RENEWAL LINKS



3-30 Amperes, 600 Volts

Trade No.	Mfrs. No.	Length Inches	Diam. of Ferrule Inches	Diam. of Tube Inches	Std. Pkg.	Wt. Lbs.	Price Each	Cap. Amps.	Trade No.	Mfrs. No.	Std. Pkg.	Wt. Lbs.	Price Each
58915	F-305	5	3/16	3/4	100	16	\$1.10	3	58932	R-603	100	9	\$0.05
58916	F-405	5	3/16	3/4	100	16	1.10	4	58933	R-604	100	9	.05
58917	F-505	5	3/16	3/4	100	16	1.10	5	58934	R-605	100	9	.05
58918	F-605	5	3/16	3/4	100	16	1.10	6	58935	R-606	100	9	.05
58919	F-805	5	3/16	3/4	100	16	1.10	8	58936	R-608	100	9	.05
58920	F-1005	5	3/16	3/4	100	16	1.10	10	58937	R-610	100	9	.05
58921	F-1205	5	3/16	3/4	100	16	1.10	12	58938	R-612	100	9	.05
58922	F-1505	5	3/16	3/4	100	16	1.10	15	58939	R-615	100	9	.05
58923	F-2005	5	3/16	3/4	100	16	1.10	20	58940	R-620	100	9	.05
58924	F-2505	5	3/16	3/4	100	16	1.10	25	58941	R-625	100	9	.05
58925	F-3005	5	3/16	3/4	100	16	1.10	30	58942	R-630	100	9	.05
31-60 Amperes, 600 Volts													
58926	F-3505	5 1/2	1 1/8	1	100	30	1.25	35	58943	R-635	100	18	.06
58927	F-4005	5 1/2	1 1/8	1	100	30	1.25	40	58944	R-640	100	18	.06
58928	F-4505	5 1/2	1 1/8	1	100	30	1.25	45	58945	R-645	100	18	.06
58929	F-5005	5 1/2	1 1/8	1	100	30	1.25	50	58946	R-650	100	18	.06
58930	F-5505	5 1/2	1 1/8	1	100	30	1.25	55	58947	R-655	100	18	.06
58931	F-6005	5 1/2	1 1/8	1	100	30	1.25	60	58948	R-660	100	18	.06

KNIFE-BLADE TYPE FUSES



KNIFE-BLADE TYPE RENEWAL LINKS



61-100 Amperes, 600 Volts

Trade No.	Mfrs. No.	Length of Blade Inches	Width of Blade Inches	Thickness of Blade Inches	Std. Pkg.	Wt. Lbs.	Price Each	Cap. Amps.	Trade No.	Mfrs. No.	Std. Pkg.	Wt. Lbs.	Price Each
58949	F-6505	7 7/8	3/4	1/8	50	31	\$3.00	65	58982	R-665	50	10	\$0.10
58950	F-7005	7 7/8	3/4	1/8	50	31	3.00	70	58983	R-670	50	10	.10
58952	F-7505	7 7/8	3/4	1/8	50	31	3.00	75	58984	R-675	50	10	.10
58953	F-8005	7 7/8	3/4	1/8	50	31	3.00	80	58985	R-680	50	10	.10
58954	F-8505	7 7/8	3/4	1/8	50	31	3.00	85	58986	R-685	50	10	.10
58955	F-9005	7 7/8	3/4	1/8	50	31	3.00	90	58987	R-690	50	10	.10
58956	F-9505	7 7/8	3/4	1/8	50	31	3.00	95	58988	R-695	50	10	.10
58958	F-10005	7 7/8	3/4	1/8	50	31	3.00	100	58989	R-6100	50	10	.10
101-200 Amperes, 600 Volts													
58959	F-11005	9 5/8	1 1/8	3/16	25	35	5.00	110	58990	R-6110	25	12	.15
58960	F-12005	9 5/8	1 1/8	3/16	25	35	5.00	120	58991	R-6120	25	12	.15
58961	F-12505	9 5/8	1 1/8	3/16	25	35	5.00	125	58992	R-6125	25	12	.15
58962	F-15005	9 5/8	1 1/8	3/16	25	35	5.00	150	58993	R-6150	25	12	.15
58963	F-17505	9 5/8	1 1/8	3/16	25	35	5.00	175	58994	R-6175	25	12	.15
58964	F-20005	9 5/8	1 1/8	3/16	25	35	5.00	200	58995	R-6200	25	12	.15
201-400 Amperes, 600 Volts													
58965	F-22505	11 5/8	1 5/8	1/4	25	75	11.00	225	58996	R-6225	25	24	.30
58966	F-25005	11 5/8	1 5/8	1/4	25	75	11.00	250	58997	R-6250	25	24	.30
58967	F-27505	11 5/8	1 5/8	1/4	25	75	11.00	275	58998	R-6275	25	24	.30
58968	F-30005	11 5/8	1 5/8	1/4	25	75	11.00	300	58999	R-6300	25	24	.30
58969	F-32505	11 5/8	1 5/8	1/4	25	75	11.00	325	59000	R-6325	25	24	.30
58970	F-35005	11 5/8	1 5/8	1/4	25	75	11.00	350	59001	R-6350	25	24	.30
58976	F-37505	11 5/8	1 5/8	1/4	25	75	11.00	375	59002	R-6375	25	24	.30
58977	F-40005	11 5/8	1 5/8	1/4	25	75	11.00	400	59003	R-6400	25	24	.30
401-600 Amperes, 600 Volts													
58978	F-45005	13 3/8	2	1/4	10	48	16.00	450	59004	R-6450	10	20	.60
58979	F-50005	13 3/8	2	1/4	10	48	16.00	500	59005	R-6500	10	20	.60
58980	F-55005	13 3/8	2	1/4	10	48	16.00	550	59006	R-6550	10	20	.60
58981	F-60005	13 3/8	2	1/4	10	48	16.00	600	59007	R-6600	10	20	.60

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NOARK FUSE AND SERVICE BOXES

NATIONAL ELECTRICAL CODE STANDARD

Noark Service Boxes were designed for use with open wiring, or wiring in conduit. Each end of the box is provided with a large oval boss, the surface of which is planed, jig drilled and tapped. The wire holes are provided with porcelain bushings. In cases where it is desired to use the box in conduit work the various conduit fittings may be employed, the desired fittings being attached to the box by means of screws which are furnished with it. Ordinarily these fittings are attached to the box without the use of gasket; but where it is necessary or expedient to secure an absolutely water or gas-tight device, a small rubber gasket may be inserted between the planed surfaces of the fitting and the box.



No. 3682 Closed



No. 3682 Open



No. 5774

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WATER-TIGHT FUSE BOXES

For 250-Volt Fuses

Trade No.	Mfrs. No.	Amperes	Type	No. Poles	Std. Pkg.	Price Each
064823	3670	61-100	E	2	25	\$ 8.40
064824	3671	101-200	E	2	20	17.50
064825	3672	201-400	E	2	20	35.00
064826	3673	401-600	E	2	10	52.50
064827	3674	61-100	E	3	25	11.00
064828	3675	101-200	E	3	20	24.00
064829	3676	201-400	E	3	20	47.50
064830	3677	401-600	E	3	10	77.00

For 600-Volt Fuses

064831	5760	61-100	E	2	25	16.00
064832	5761	101-200	E	2	20	32.00
064833	5762	201-400	E	2	20	63.00
064834	5763	401-600	E	2	10	100.00
064835	5764	61-100	E	3	25	20.00
064836	5765	101-200	E	3	20	42.00
064837	5766	201-400	E	3	20	84.00
064838	5767	401-600	E	3	10	137.00

WATER-TIGHT SERVICE BOXES

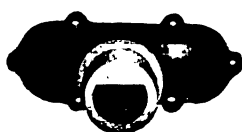
For 250-Volt Fuses

064839	3828	0- 30	B	2	25	7.25
064840	3829	31- 60	B	2	25	8.25
064841	3678	61-100	E	2	25	12.50
064842	3679	101-200	E	2	20	20.50
064843	3680	201-400	E	2	20	42.00
064844	3681	401-600	E	2	10	70.00
064845	3830	0- 30	B	3	25	9.00
064846	3831	31- 60	B	3	25	10.00
064847	3682	61-100	E	3	25	15.00
064848	3683	101-200	E	3	20	26.00
064849	3684	201-400	E	3	20	56.00
064850	3685	401-600	E	3	10	96.00

For 600-Volt Fuses

064851	5868	0- 30	B	2	25	8.25
064852	5869	31- 60	B	2	25	10.00
064853	5770	61-100	E	2	25	17.50
064854	5771	101-200	E	2	20	35.00
064855	5772	201-400	E	2	20	80.00
064856	5773	401-600	E	2	10	133.00
064857	5870	0- 30	B	3	25	10.00
064858	5871	31- 60	B	3	25	12.00
064859	5774	61-100	E	3	25	23.00
064860	5775	101-200	E	3	20	42.00
064861	5776	201-400	E	3	20	116.00
064862	5777	401-600	E	3	10	175.00

NOARK FITTINGS
NATIONAL ELECTRICAL CODE STANDARD
FOR WATER-TIGHT FUSE AND SERVICE BOXES



Nos. 3832 and 5872



Nos. 3836 and 5876

STRAIGHT-AWAY CONDUIT FITTINGS
For 250-Volt Boxes

Trade No.	Mfrs. No.	Amperes	Type	Poles	Std. Pkg.	Price Each
064863	3832	0-30	B	2	50	\$0.90
064864	3833	31-60	B	2	50	1.10
064865	3702	61-100	E	2	50	1.60
064866	3703	101-200	E	2	40	2.30
064867	3704	201-400	E	2	40	3.50
064868	3705	401-600	E	2	20	10.40
064869	3834	0-30	B	3	50	1.00
064870	3835	31-60	B	3	50	1.20
064871	3706	61-100	E	3	50	1.65
064872	3707	101-200	E	3	40	2.50
064873	3708	201-400	E	3	40	4.75
064874	3709	401-600	E	3	20	9.50

For 600-Volt Boxes

064875	5872	0-30	B	2	50	1.05
064876	5873	31-60	B	2	50	1.25
064877	5780	61-100	E	2	50	1.65
064878	5781	101-200	E	2	40	2.65
064879	5782	201-400	E	2	40	4.40
064880	5783	401-600	E	2	20	9.70
064881	5874	0-30	B	3	50	1.10
064882	5875	31-60	B	3	50	1.30
064883	5784	61-100	E	3	50	1.80
064884	5785	101-200	E	3	40	3.00
064885	5786	201-400	E	3	40	5.60
064886	5787	401-600	E	3	20	11.50

NOTE.—Unless otherwise specified, straight-away conduit fittings will be furnished with a tapped hole to thread onto the conduit. If desired, they will be furnished to slip over conduit, and lock with a set screw.

RIGHT AND LEFT-HAND CONDUIT FITTINGS

For 250-Volt Boxes

064887	3836	0-30	B	2	50	.90
064888	3837	31-60	B	2	50	1.10
064889	3710	61-100	E	2	50	1.60
064890	3711	101-200	E	2	40	2.30
064891	3712	201-400	E	2	40	3.50
064892	3713	401-600	E	2	20	7.00
064893	3838	0-30	B	3	50	1.00
064894	3839	31-60	B	3	50	1.20
064895	3714	61-100	E	3	50	1.65
064896	3715	101-200	E	3	40	2.50
064897	3716	201-400	E	3	40	4.75
064898	3717	401-600	E	3	20	9.50

For 600-Volt Boxes

064899	5876	0-30	B	2	50	1.05
064900	5877	31-60	B	2	50	1.25
064901	5790	61-100	E	2	50	1.65
064902	5791	101-200	E	2	40	2.65
064903	5792	201-400	E	2	40	4.40
064904	5793	401-600	E	2	20	9.70
064905	5878	0-30	B	3	50	1.10
064906	5879	31-60	B	3	50	1.30
064907	5794	61-100	E	3	50	1.80
064908	5795	101-200	E	3	40	3.50
064909	5796	201-400	E	3	40	5.60
064910	5797	401-600	E	3	20	11.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NOARK FITTINGS

FOR WATER-TIGHT FUSE AND SERVICE BOXES

BACK ENTRANCE CONDUIT FITTINGS



Nos. 3718, 5800



Nos. 3740, 5820

For 250-Volt Boxes

Trade No.	Mfrs. No.	Amperes	Type	No. Poles	Std. Pkg.	Price Each
25501	3780	0- 30	B	2	50	\$0.90
25502	3781	31- 60	B	2	50	1.10
064911	3718	61-100	E	2	50	1.60
064912	3719	101-200	E	2	40	2.30
064913	3720	201-400	E	2	40	3.50
064914	3721	401-600	E	2	20	10.40
25503	3782	0- 30	B	3	50	1.00
25504	3783	31- 60	B	3	50	1.20
064915	3722	61-100	E	3	50	1.65
064916	3723	101-200	E	3	40	2.50
064917	3724	201-400	E	3	40	4.75
064918	3730	401-600	E	3	20	11.40

For 600-Volt Boxes

25505	5880	0- 30	B	2	50	1.05
25506	5881	31- 60	B	2	50	1.25
064919	5800	61-100	E	2	50	1.65
064920	5801	101-200	E	2	40	2.65
064921	5802	201-400	E	2	40	4.40
064922	5803	401-600	E	2	20	9.70
25507	5882	0- 30	B	3	50	1.10
25508	5883	31- 60	B	3	50	1.30
064923	5804	61-100	E	3	50	1.80
064924	5805	101-200	E	3	40	3.00
064925	5806	201-400	E	3	40	5.60
064926	5807	401-600	E	3	20	11.50

ENTRANCE HOODS FOR POLE WORK

For 250-Volt Boxes

Trade No.	Mfrs. No.	Amperes	Type	No. Poles	Std. Pkg.	Price Each	Trade No.	Mfrs. No.	Amperes	Type	No. Poles	Std. Pkg.	Price Each
25509	3784	0- 30	B	2	50	\$1.65	25511	3736	0- 30	B	3	50	\$1.90
25510	3785	31- 60	B	2	50	2.10	25512	3787	31- 60	B	3	50	2.40
064927	3740	61-100	E	2	50	2.80	064931	3744	61-100	E	3	50	3.20
064928	3741	101-200	E	2	40	5.80	064932	3745	101-200	E	3	40	6.30
064929	3742	201-400	E	2	40	11.50	064933	3746	201-400	E	3	40	12.60
064930	3743	401-600	E	2	20	21.00	064934	3747	401-600	E	3	20	24.50

For 600-Volt Boxes

25513	5884	0- 30	B	2	50	2.40	25515	5886	0- 30	B	3	50	2.65
25514	5885	31- 60	B	2	50	2.85	25516	5887	31- 60	B	3	50	3.20
064935	5820	61-100	E	2	50	3.50	064939	5824	61-100	E	3	50	4.00
064936	5821	101-200	E	2	40	7.00	064940	5825	101-200	E	3	40	9.00
064937	5822	201-400	E	2	40	14.00	064941	5826	201-400	E	3	40	18.00
064938	5823	401-600	E	2	20	26.50	064942	5827	401-600	E	3	20	30.00

GASKETS FOR CONDUIT FITTINGS

For 250-Volt Boxes

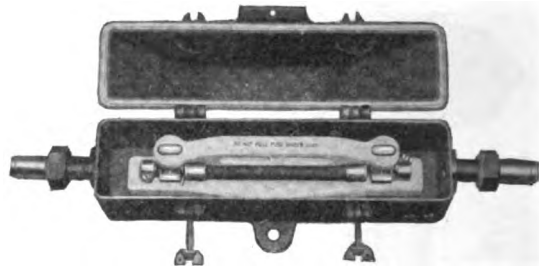
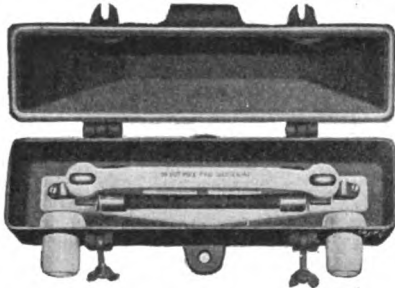
064943	3765	0- 30	B	2	50	.18	064949	3767	0- 30	B	3	50	.20
064944	3766	31- 60	B	2	50	.20	064950	3768	31- 60	B	3	50	.24
064945	3731	61-100	E	2	50	.24	064951	3735	61-100	E	3	50	.28
064946	3732	101-200	E	2	40	.35	064952	3736	101-200	E	3	40	.42
064947	3733	201-400	E	2	40	.65	064953	3737	201-400	E	3	40	.75
064948	3734	401-600	E	2	20	1.25	064954	3738	401-600	E	3	20	1.40

For 600-Volt Boxes

064955	5665	0- 30	B	2	50	.24	064961	5667	0- 30	B	3	50	.32
064956	5666	31- 60	B	2	50	.30	064962	5668	31- 60	B	3	50	.38
064957	5810	61-100	E	2	50	.35	064963	5814	61-100	E	3	50	.42
064958	5811	101-200	E	2	40	.50	064964	5815	101-200	E	3	40	.58
064959	5812	201-400	E	2	40	.90	064965	5816	201-400	E	3	40	1.05
064960	5813	401-600	E	2	20	1.70	064966	5817	401-600	E	3	20	2.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NOARK ENCLOSED FUSE BOXES AND CUT-OUTS

FOR POTENTIALS NOT EXCEEDING 2500 VOLTS
PRIMARY FUSE BOXES

With Porcelain Bushed Outlets

With Threaded Outlets

With Porcelain Bushed Outlets—For Overhead Construction and Manholes not Subject to Inundation

Trade No.	Mfrs. No.	DIMENSIONS, INCHES			Cap. Amps.	No. Poles	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
		Length	Width	Height					
33769	8835	16 $\frac{1}{4}$	7 $\frac{1}{4}$	7 $\frac{1}{8}$	1 $\frac{1}{2}$ -100	1	24	23	\$15.00
33770	8836	16 $\frac{1}{4}$	7 $\frac{1}{4}$	7 $\frac{1}{8}$	1 $\frac{1}{2}$ -100	1	24	24	15.00
33771	8837	16 $\frac{1}{4}$	7 $\frac{1}{4}$	7 $\frac{1}{8}$	1 $\frac{1}{2}$ -100	1	24	27	15.00
33772	8838	16 $\frac{1}{4}$	7 $\frac{1}{4}$	7 $\frac{1}{8}$	1 $\frac{1}{2}$ -100	1	24	23	15.00
33773	8843	27 $\frac{1}{8}$	7 $\frac{1}{4}$	7 $\frac{1}{8}$	1 $\frac{1}{2}$ -100	1	12	24	22.00
33774	8844	27 $\frac{1}{8}$	7 $\frac{1}{4}$	7 $\frac{1}{8}$	1 $\frac{1}{2}$ -100	1	12	27	22.00
With Threaded Outlets									
33775	8845	16 $\frac{1}{4}$	7 $\frac{1}{4}$	7 $\frac{1}{8}$	1 $\frac{1}{2}$ -100	1	12	23 $\frac{1}{2}$	22.00
33776	8846	16 $\frac{1}{4}$	7 $\frac{1}{4}$	7 $\frac{1}{8}$	1 $\frac{1}{2}$ -100	1	12	25	22.00
33777	8883	19	7 $\frac{1}{4}$	7 $\frac{1}{8}$	1 $\frac{1}{2}$ -100	1	12	28	14.00
33778	8884	16 $\frac{1}{4}$	7 $\frac{1}{4}$	7 $\frac{1}{8}$	1 $\frac{1}{2}$ -100	1	12	23 $\frac{1}{2}$	14.00
33779	8889	19	7 $\frac{1}{4}$	7 $\frac{1}{8}$	1 $\frac{1}{2}$ -100	1	12	25	14.00
33780	8892	16 $\frac{1}{4}$	7 $\frac{1}{4}$	7 $\frac{1}{8}$	1 $\frac{1}{2}$ -100	1	12	28	14.00

TYPE E ENCLOSED FUSES WITH INDICATORS
 $\frac{1}{2}$ -100 Amperes

Trade No.	Mfrs. No.	Cap. Amp.	Price Each	Refilling Price, Each	Trade No.	Mfrs. No.	Cap. Amps.	Price Each	Refilling Price, Each
33715	6450	$\frac{1}{2}$	\$1.75	\$1.25	33740	6464	25	\$2.60	\$2.00
33716	6451	1	1.75	1.25	33741	6465	30	2.60	2.00
33717	6452	2	1.75	1.25	33742	6466	35	3.00	2.20
33718	6453	3	1.75	1.25	33743	6467	40	3.00	2.20
33719	6454	4	1.75	1.25	33744	6468	45	3.00	2.20
33720	6455	5	1.75	1.25	33745	6469	50	3.00	2.20
33721	6456	6	1.75	1.25	33746	6470	55	3.00	2.20
33722	6457	8	1.75	1.25	33747	6471	60	3.00	2.20
33723	6458	10	1.75	1.25	33748	6472	70	3.40	2.40
33724	6459	12	1.75	1.25	33749	6473	75	3.40	2.40
33725	6460	15	1.75	1.25	33750	6474	80	3.40	2.40
33726	6461	16	1.75	1.25	33751	6475	90	3.40	2.40
33727	6462	18	1.75	1.25	33752	6476	100	3.40	2.40
33728	6463	20	2.60	2.00					

Carton quantity, 2; standard package, 25; standard package weight, $\frac{1}{2}$ to 30 amperes, 16 $\frac{1}{2}$ pounds; 35 to 60 amperes, 32 pounds; 70 to 100 amperes, 40 pounds.

TYPE E ENCLOSED FUSE CUT-OUTS



Trade No.	Mfrs. No.	DIMENSIONS, INCHES			Cap. Amps.	No. Poles	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
		Length	Width	Height					
33763	8855	12 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{7}{8}$	1-30	1	25	75	\$2.25
33764	8056	13 $\frac{1}{8}$	2 $\frac{1}{2}$	3 $\frac{1}{8}$	1-60	1	25	104	2.50
33765	8057	13 $\frac{3}{8}$	2 $\frac{1}{2}$	3 $\frac{1}{2}$	1-100	1	25	126	2.75

FUSE CARRIER HANDLES



Trade No.	Mfrs. No.	To Fit Cut-Out Mfrs. No.	Cap. Amps.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100
33766	8061	8055	1-30	25	45	\$115.00
33767	8062	8056	1-60	25	47 $\frac{1}{2}$	135.00
33768	8063	8057	1-100	25	50	155.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TESTED FUSE WIRE

Trade No.	Safe Carrying Capacity Amperes	BEST LENGTHS FOR USE AND FUSING CURRENTS FOR SUCH LENGTHS		Length per Lb. Feet	Diam. Mils.	STANDARD PACKAGE		Price per Lb.
		Inches	Amperes			No. of Spools	Size Spool	
010047	$\frac{1}{8}$	1	$\frac{1}{2}$	40725	$2\frac{1}{2}$	1	250 feet	....
010048	$\frac{1}{4}$	1	$\frac{3}{4}$	12550	$4\frac{1}{2}$	1	250 feet	....
010049	$\frac{1}{2}$	1	$1\frac{1}{2}$	2550	10	2	4-oz.	2.75
010050	$\frac{3}{4}$	1	$2\frac{1}{4}$	1516	13	2	8-oz.	2.75
010051	1	$1\frac{1}{4}$	3	993	16	2	8-oz.	1.10
010052	2	$1\frac{1}{2}$	5	407	25	2	8-oz.	1.05
010053	3	$1\frac{3}{4}$	7	265	31	2	8-oz.	1.00
010054	4	$1\frac{3}{4}$	9	207	35	1	1-lb.	1.00
010055	5	$1\frac{3}{4}$	10	167	39	1	1-lb.	1.00
010056	6	2	12	144	42	1	1-lb.	.85
010057	7	2	13	120	46	1	1-lb.	.85
010058	8	2	15	106	49	1	1-lb.	.80
010059	9	2	16	94	52	1	1-lb.	.80
010060	10	$2\frac{1}{4}$	17	84	55	1	1-lb.	.80
010061	12	$2\frac{1}{4}$	20	68	61	1	1-lb.	.80
010062	14	$2\frac{1}{4}$	23	58	66	1	1-lb.	.80
010063	15	$2\frac{1}{4}$	24	55	68	1	1-lb.	.75
010064	16	$2\frac{1}{2}$	25	49	72	1	1-lb.	.75
010065	18	$2\frac{1}{2}$	28	43	77	1	1-lb.	.75
010066	20	$2\frac{1}{2}$	30	$37\frac{1}{2}$	82	1	1-lb.	.75
010067	25	$2\frac{3}{4}$	37	$28\frac{3}{4}$	94	1	1-lb.	.75
010068	30	$2\frac{3}{4}$	43	24	103	1	1-lb.	.75
010069	35	3	49	20	113	1	1-lb.	.75
010070	40	3	56	$17\frac{1}{6}$	122	1	1-lb.	.75
010071	45	3	62	$15\frac{1}{3}$	129	1	1-lb.	.75
010072	50	3	69	$13\frac{1}{2}$	137	1	1-lb.	.75
010073	60	$3\frac{1}{4}$	81	$10\frac{1}{4}$	158	1	5-lb.	.70
010074	70	$3\frac{1}{4}$	93	$8\frac{5}{8}$	170	1	5-lb.	.70
010075	75	$3\frac{1}{2}$	99	$7\frac{3}{4}$	182	1	5-lb.	.70
010076	80	$3\frac{1}{2}$	106	$7\frac{1}{6}$	189	1	5-lb.	.70
010077	90	$3\frac{1}{2}$	118	$5\frac{5}{8}$	212	1	5-lb.	.70
064678	100	4	129	5	226	1	5-lb.	.70

All fuse wire is carefully wound on spools having heavy flanges, which effectually protect the soft fusible metal from abrasion or other mechanical injury; these are then placed in small cans that are properly labeled and sealed, so that fuse wire may be stored away for an indefinite time without the slightest depreciation in quality or appearance.

TESTED FUSE STRIP

Trade No.	Safe Carrying Capacity Amperes	BEST LENGTHS FOR USE AND FUSING CURRENTS FOR SUCH LENGTHS		Wt., Oz. per Foot	Price per Lb.	Price per Foot
		Inches	Amperes			
010079	50	3	69	$1\frac{1}{8}$	\$0.60	\$0.08
010080	60	$3\frac{1}{4}$	81	$1\frac{3}{8}$	.60	.09
010081	70	$3\frac{1}{4}$	93	$1\frac{3}{4}$	.60	.10
010082	75	$3\frac{1}{2}$	99	$1\frac{7}{8}$	.60	.10
010083	80	$3\frac{1}{2}$	106	$2\frac{1}{8}$	.60	.12
010084	90	$3\frac{3}{4}$	118	$2\frac{1}{2}$	.60	.15
010085	100	4	129	3	.50	.18
010086	125	$4\frac{1}{4}$	158	$3\frac{7}{8}$	.50	.20
010087	150	$4\frac{1}{2}$	187	$4\frac{1}{8}$	.50	.25
010088	175	$4\frac{1}{2}$	215	6	.50	.25
010089	200	$4\frac{3}{4}$	243	$6\frac{7}{8}$	.50	.30
010090	225	$4\frac{3}{4}$	270	$7\frac{1}{6}$	.50	.35
010091	250	$4\frac{3}{4}$	298	$8\frac{1}{8}$	.50	.40
010092	275	$4\frac{3}{4}$	325	$9\frac{3}{4}$	.50	.50
010093	300	5	351	$10\frac{3}{4}$	.50	.60
010094	350	$5\frac{1}{4}$	402	$12\frac{3}{4}$	.50	.70
010095	400	$5\frac{1}{4}$	450	$14\frac{5}{8}$	.50	.80
010096	450	$5\frac{1}{2}$	500	17	.50	.90
010097	500	6	550	$20\frac{1}{2}$	.50	1.00
064679	600	$6\frac{1}{2}$	675	35	.50	1.10

Orders for fuse strip smaller than 50 amperes or larger than 500 amperes, will be filled at a slight advance from prices quoted above. Fuse strip is packed in 5-pound and 10-pound tin boxes, unless otherwise ordered. Foot rates will be charged for less than one package.

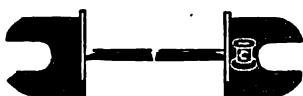
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OPEN FUSE LINKS



No. 0

Size of Terminals				Size of Terminals			
Term-inal No.	Size of Slot Inches	Width of Terminal Inches	Style of Fuse	Term-inal No.	Size of Slot Inches	Width of Terminal Inches	Style of Fuse
00	$\frac{7}{16}$	$\frac{1}{4}$	Wire	18	$\frac{7}{16}$	$1\frac{1}{2}$	Strip
• 0	$\frac{1}{8}$	$\frac{5}{16}$	Wire	10 or 18	$\frac{1}{2}$	$1\frac{3}{8}$	Strip
1	$\frac{9}{16}$	$\frac{3}{8}$	Wire	25	$\frac{1}{8}$	$1\frac{1}{2}$	Strip
2	$\frac{3}{16}$	$\frac{1}{2}$	Wire	28	$\frac{5}{8}$	$2\frac{1}{8}$	Strip
3	$\frac{3}{16}$	$\frac{9}{16}$	Wire	30	$\frac{3}{4}$ or 1	$2\frac{1}{8}$	Strip
5	$\frac{1}{4}$	$\frac{11}{16}$	Wire	30 Wide	$\frac{3}{4}$ or 1	$3\frac{3}{8}$	Strip
7	$\frac{3}{8}$	$\frac{3}{4}$	Strip	40	$\frac{3}{4}$ or 1	$2\frac{1}{8}$	Strip
12	$\frac{7}{8}$	$1\frac{1}{2}$	Strip	50	Special	3	Strip



No. 1

FUSE LINKS

Small Terminals—Wire Fuse

				PRICE, PER 100				
Trade No.	Terminal No.	Amperes	Std. Pkg.	Up to 1½ Inches C. to C.	1½ to 3¼ Inches C. to C.	3¼ to 5 Inches C. to C.	5¼ to 8 Inches C. to C.	
089023	00	½- 5	100	\$2.00	\$3.00	\$4.00	\$5.00	
057615	0	1- 10	100	2.00	3.00	4.00	5.00	
057616	1	1- 30	100	3.00	4.00	5.00	6.00	
057617	2	10- 50	100	3.00	4.50	5.50	6.00	
057618	3	10- 50	100	3.00	5.00	6.00	8.00	
089030	5	25- 100	100	4.00	6.00	8.00	10.00	

Large Terminals—Strip Fuse

				PRICE, PER 100			
Trade No.	Terminal No.	Amperes	Std. Pkg.	Up to 2½ Inches C. to C.	2½ to 5 Inches C. to C.	5¼ to 8 Inches C. to C.	
057619	7	25- 150	100	\$10.00	\$15.00	\$20.00	
057620	12	100- 200	100	12.00	18.00	24.00	
057621	12	200- 400	100	15.00	22.50	30.00	
057622	16	100- 200	100	12.00	18.00	24.00	
057623	16	200- 400	100	15.00	22.50	30.00	
057624	10 or 18	200- 400	100	.....	25.00	40.00	
057625	10 or 18	400- 600	100	.....	40.00	60.00	
057626	25	400- 600	100	.....	50.00	65.00	
057627	25	600- 800	100	.....	60.00	90.00	
057628	28	600- 800	100	.....	65.00	95.00	
089024	28	800-1000	100	.....	75.00	100.00	
089025	30	800-1000	100	.....	80.00	110.00	
089026	30 Wide	1000-1200	100	.....	150.00	175.00	
089027	40	800-1000	100	.....	300.00	325.00	
089028	40	1000-1500	100	.....	400.00	500.00	
089029	50	1500-2000	100	.....	Special	Special	

Fuses larger than 1000 amperes will be charged at a proportionate advance in price. In ordering, give amperage, terminal number and length.

STANDARD RAILWAY FUSES



Trade No.	Amperes	$2\frac{1}{4}$ Inches C. to C. Price per 1000
057791	50 to 100 Flat	\$42.00
057792	110 to 150 Flat	50.00

ASBESTOS COVERED LINKS



For prices on asbestos covered fuse links, add 100 per cent to standard open link prices.

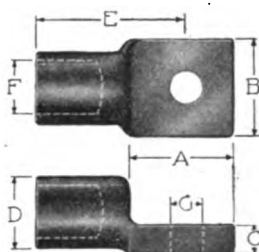
STAMPED FUSE LINKS



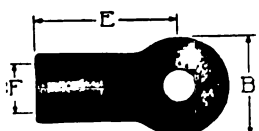
Write for special prices on stamped fuse links of all styles.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

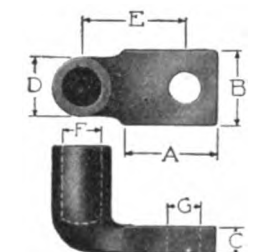
CUTTER TERMINALS



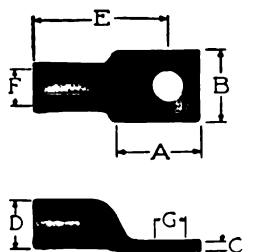
Square Type



Round Type



Right Angle Type



Wrought Type

SQUARE TYPE, CAST

Trade No.	Amps.	Wire Size	A	B	C	D	E	F	G	Price Each
22609	30	8	1 1/2	1/2	3/8	5/8	3/4	3/8	3/8	\$0.04
22610	50	5	5/8	5/8	3/8	3/8	1	7/8	3/8	.06
22611	75	3	5/8	5/8	3/8	1/2	1 1/8	3/4	3/4	.08
22612	100	1	5/8	3/4	3/8	3/4	1 1/4	1 1/4	3/4	.11
22613	150	00	5/8	7/8	3/8	5/8	1 3/8	7/8	1 1/4	.14
22614	175	000	1	5/8	1/4	1/2	1 1/2	1 1/2	1 1/4	.17
22615	200	0000	1 1/8	1	1/4	5/8	1 5/8	1 1/4	1 1/4	.20
22616	250	300000	1 3/4	1	3/8	5/8	1 3/4	1 1/4	1 1/4	.25
22617	300	350000	1 3/8	1 1/4	3/8	1	2	3/4	1 1/4	.38
22618	350	400000	1 1/2	1 1/2	7/8	1 1/8	2 1/4	5/8	1 1/4	.61
22619	400	500000	1 5/8	1 1/2	1 1/2	1 1/4	2 3/8	5/8	1 1/4	.68
22620	500	750000	1 3/4	1 3/4	1 1/8	1 3/8	2 3/4	1 1/8	1 1/4	1.11
22621	600	1000000	2	1 3/4	1 1/8	1 1/8	3	1 3/8	1 1/4	1.40
22622	700	1250000	2 1/4	2	5/8	1 3/4	3 1/8	1 5/8	1 1/4	2.13
22623	800	1500000	2 1/2	2	5/8	2	3 1/4	1 1/2	1 1/4	2.55
22624	1000	2000000	2 5/8	2 1/4	3/4	2 1/4	3 3/8	1 3/4	1 1/4	4.06

ROUND TYPE, CAST

22625	30	8	9/8	9/8	1/8	5/8	3/4	3/8	3/8	.04
22626	50	5	5/8	3/4	3/8	3/8	1 1/8	3/4	3/8	.07
22627	75	3	5/8	7/8	3/8	1/2	1 1/4	3/4	3/4	.09
22628	100	1	1 1/8	1	3/4	1/2	1 3/8	3/4	3/4	.12
22629	150	00	1 1/8	1	1/4	5/8	1 1/2	7/8	1 1/4	.15
22630	175	000	1 3/8	1 1/8	1/4	1/2	1 1/2	1/2	1 1/4	.18
22631	200	0000	1 1/4	1 1/4	1/4	5/8	1 3/4	1 1/4	1 1/4	.24
22632	250	300000	1 5/8	1 1/4	5/8	5/8	1 7/8	1 1/8	1 1/4	.30
22633	300	350000	1 1/2	1 3/8	5/8	1	2	3/4	1 1/4	.35
22634	350	400000	1 5/8	1 1/2	5/8	1 1/8	2 1/8	5/8	1 1/4	.53
22635	400	500000	1 3/4	1 5/8	7/8	1 1/4	2 3/8	5/8	1 1/4	.82
22636	500	750000	2 1/8	1 5/8	1/2	1 3/8	3	1 1/8	1 1/4	1.12
22637	600	1000000	2 3/8	2 1/4	5/8	1 5/8	3 3/8	1 3/8	1 1/4	1.80
22638	700	1250000	2 5/8	2 1/2	3/4	1 3/4	3 7/8	1 5/8	1 1/4	2.42
22639	800	1500000	2 5/8	2 1/4	3/4	2	3 7/8	1 1/2	1 1/4	3.78
22640	1000	2000000	2 3/4	2 1/2	3/4	2 1/4	4	1 3/4	1 1/4	5.03

RIGHT ANGLE TYPE, CAST

22641	30	8	1 1/2	3/8	1/8	5/8	9/8	3/8	3/8	.08
22642	50	5	5/8	5/8	1/8	3/8	3/4	7/8	3/8	.15
22643	100	1	5/8	3/4	3/8	1/2	1	1 1/4	3/4	.25
22644	150	00	1	7/8	5/8	5/8	1 1/8	7/8	1 1/4	.35
22645	200	0000	1 1/8	1	3/8	5/8	1 3/8	1 1/4	1 1/4	.45
22646	300	350000	1 1/4	1 1/4	3/8	1	1 1/2	3/4	1 1/4	.70
22647	400	500000	1 1/2	1 1/2	3/8	1 1/4	1 3/4	5/8	1 1/4	1.00
22648	600	1000000	2	1 3/4	7/8	1 5/8	2	1 3/8	1 1/4	2.00

WROUGHT TYPE

22649	25-50	6	9/8	7/8	1/4	5/8	7/8	3/8	3/8	.03
22650	75-100	3	3/4	9/8	1/8	3/8	1 1/4	1/4	1/4	.06
22651	150	0	5/8	5/8	1/8	1/2	1 1/2	3/8	1 1/4	.07
22652	200	000	1 1/8	7/8	3/8	5/8	1 3/4	1/2	3/8	.12
22653	300	300000	1 1/4	1 1/8	1/8	3/4	2	5/8	1 1/4	.16

We have a large stock of patterns for special cable terminals and will quote prices upon application. Send sketches and dimensions with order.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT CONTACTS, CLIPS AND LUGS

NATIONAL ELECTRICAL CODE STANDARD



No. 246

CONTACTS, FRONT CONNECTION COMPLETE, WITH LUGS

Trade No.	Mfrs. No.	Amperes	Volts	Carton	Std. Pkg.	Price Each
044303	242	0-30	250	100	100	\$0.10
044304	243	31-60	250	100	100	.20
044305	244	0-30	600	100	100	.14
044306	245	31-60	600	100	100	.24
044307	246	61-100	250 and 600	25	100	.50
044308	247	101-200	250 and 600	25	100	1.10
044309	248	201-400	250 and 600	5	50	3.00
044310	249	401-600	250 and 600	2	20	5.00



No. 254

CONTACTS, BACK CONNECTION COMPLETE, WITH LUGS

044311	250	0-30	250	100	100	.25
044312	251	31-60	250	50	100	.44
044313	252	0-30	600	50	100	.30
044314	253	31-60	600	50	100	.50
044315	254	61-100	250 and 600	25	100	2.00
044316	255	101-200	250 and 600	5	100	3.40
044317	256	201-400	250 and 600	1	50	6.00
044318	257	401-600	250 and 600	1	20	10.00

CONTACT CLIPS, FOR USE ON BACK CONNECTION CONTACTS

Trade No.	Mfrs. No.	Amperes	Volts	Carton	Std. Pkg.	Price Each
044319	258	0-30	250	100	100	\$0.03
044320	259	31-60	250	100	100	.064
044321	260	0-30	600	100	100	.06
044322	261	31-60	600	100	100	.09
044323	262	61-100	250 and 600	100	100	.14
044324	263	101-200	250 and 600	100	100	.30
044325	264	201-400	250 and 600	25	50	1.00
044326	265	401-600	250 and 600	10	20	2.50



Style 1

LUGS

As Used on Enclosed Fuse Cut-Outs and Front Connection Contacts

Trade No.	Mfrs. No.	Style	Diam. of Hole Amps. Inches	Largest Solid	Wire B. & S. Stranded	Carton	Std. Pkg.	Price Each
044327	266	1	60 1/4	3	4	100	100	\$0.08
044328	290	2	100 1/8	000	00	100	100	.15
044329	291	2	200 9/16	0000	0000	100	100	.35
044330	292	2	400 1 1/8	...	600000C.M.	50	50	.90
044331	293	2	600 1 1/8	...	800000C.M.	10	20	1.20



Style 2

As Used on Back Connection Fuse Contacts

044332	294	1	60 1/4	3	4	100	100	.08
044333	295	1	100 1/8	000	00	100	100	.15
044334	296	1	200 9/16	0000	0000	100	100	.35
044335	269	3	400 1 1/8	...	600000C.M.	25	50	.90
044336	270	3	600 1 1/8	...	800000C.M.	10	20	1.60

As Used on Type A Front Connection Switches

044338	3577	1	60 1/4	3	4	100	100	.08
044340	3579	1	100 1/8	000	00	100	100	.12
044341	3580	1	200 9/16	0000	0000	100	100	.35
044342	3581	1	300 3/4	....	400000C.M.	50	50	.90
044343	3582	1	400 1 1/8	....	600000C.M.	50	50	.90
044344	3583	1	600 1 1/8	....	800000C.M.	10	20	1.60



Style 3

As Used on Type A Back Connection Switches

044346	3577	1	60 1/4	3	4	100	100	.08
044348	3579	1	100 1/8	000	00	100	100	.12
044349	3584	1	200 9/16	0000	0000	100	100	.35
044350	3585	1	300 3/4	....	400000C.M.	50	50	.90
044351	3586	3	400 1 1/8	....	600000C.M.	50	50	.90
044352	3587	3	600 1 1/8	....	800000C.M.	10	20	1.60

As Used on Type B Switches

044353	3588	4	60 1/4	3	4	100	100	3.40*
044355	3590	4	100 1/8	000	00	100	100	6.15*
044356	3591	4	200 9/16	0000	9000	100	100	12.00*



Style 4

*Price per 100.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONNECTORS

WIRE CONNECTORS

With Two Set Screws



Trade No.	Mfr. No.	Length Inches	DIAM. INCHES Outside	INCHES Inside	LARGEST Solid	WIRE Str.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
067193	200	1 1/2	5/8	.106	12	..	100	5	\$0.05
067194	201	1 1/2	3/8	.147	8	..	100	5	.06
067195	202	1 3/4	3/8	.185	6	8	100	7	.07
067196	203	1 7/8	7/16	.221	4	5	100	9	.08
067197	204	1 7/8	1/2	3/4	2	3	100	11	.10
067198	205	1 7/8	9/16	1 1/4	0	2	50	7	.12
067199	206	1 7/8	5/8	3/8	00	1	50	8	.14

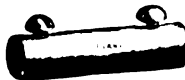
With Four Set Screws



067200	207	1 7/8	7/8	.221	4	5	100	10	.09
067201	208	1 7/8	1 1/2	3/4	2	3	100	11	.11
067202	209	1 7/8	9/8	1 1/4	0	2	50	7	.13
067203	210	1 7/8	5/8	3/8	00	1	50	7	.15
067204	211	2	1 1/8	7/8	000	00	50	9	.22
067205	212	2	3/4	1/2	0000	000	50	10	.28

Brooklyn Connectors

A dividing wall prevents melted solder from running through.



067206	310	1 7/8	1/2	1/4	3	4	50	10	.11
067207	311	1 7/8	9/8	1 1/4 x 1 1/4	3x1	4x3	50	11	.12
067208	312	1 7/8	9/8	1 1/4	1	3	50	11	.12

CAST COPPER CONNECTORS

Equipped with Set Screws
Tee Connectors

Trade No.	Size of Rod Inches	Std. Pkg.	Shipping Wt., Lbs. Std. Pkg.	Price Each
22881	1/4	50	30	\$0.38
22882	3/8	50	30	.48
22883	1/2	50	30	.75
22884	9/16	50	35	.85
22885	5/8	25	25	1.10
22886	3/4	25	35	1.45
22887	1	25	45	1.70

Straight Connectors



22889	1/4	100	30	.20
22890	3/8	100	40	.30
22891	1/2	50	25	.45
22892	9/16	50	30	.52
22893	5/8	50	40	.58
22894	3/4	50	50	.85

Elbow Connectors



22895	1/4	100	40	.25
22896	3/8	50	25	.35
22897	1/2	50	30	.50
22898	9/16	50	35	.60
22899	5/8	25	20	.80
22900	3/4	25	25	1.30

Bus Bar Connectors



Trade No.	Size of Hole Line Inches	Size of Hole Lead up to, Inches	Std. Pkg.	Shipping Wt., Lbs. Std. Pkg.	Price Each
22657	1/4	1/4	50	25	\$0.22
22658	3/8	3/8	50	30	.32
22659	1/2	1/2	25	15	.50
22660	5/8	5/8	25	30	.75
22661	3/4	3/4	25	40	1.20
22662	1	1	10	35	2.25
22663	1 1/4	1 1/4	10	45	3.70
22664	1 1/2	1 1/2	10	50	5.10

In ordering, give size of both line and lead.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

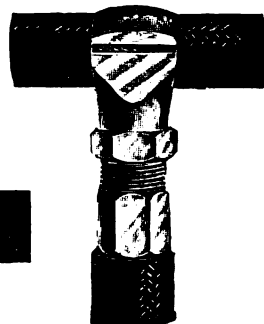
DOSSERT CONNECTORS



Two-way, Type A, Showing Detail



Type C



Cable Tap



Three-way

Two-way, Type B
Sectional View

Reducer



Type Y



Elbow



Front Lug



Back Lug



Angle Lug



Swivel Lug

Dossert & Company make a mechanical joint for solid or stranded conductor, which has great mechanical strength and an electrical conductance in excess of that of the cable. The joint (Type A) consists of a nipple, two compression sleeves or bushings and two compression nuts. As shown, the compression sleeves are split lengthwise and tapered at both ends. The tapered ends of the sleeve fit into correspondingly tapered parts of the nipple and nut. When the nut is screwed up on the nipple the action of the taper causes the compression sleeve to decrease in diameter and grip the strands tightly together, thereby getting good electrical contact.

Type A connectors are for use on cables, stranded or solid wires, rods and tubing. They are simple and effective, and by their use splices can be quickly made in conductors of any size. Type A connectors, however, should not be used on a cable that is to be subjected to heavy tensile strains.

Lugs, three-ways, Y's, reducers, elbows, and many other types of connectors are made with this principle for making the electrical connections and can be used for connections on switchboards, panels, bus bars, transformers, meters, electric smelting furnaces, fuse blocks, service boxes, grounding devices, motors, oil switches, etc.

For overhead work where the cables are subjected to considerable tensile strain, another type of joint (Type B) is made, but for general use the above described connector is recommended and almost always used.

A special application of this joint is the cable tap. It consists of a hook, cover, jam nut, compression sleeve and compression nut. The hook is machined to fit the main cable, while its shank is drilled and threaded to form the nipple of a standard Dossert Joint for size of branch required.

The cable tap is used to connect a branch wire, rod or bleeder to a main wire, rod or feeder. It does not splice the main, but simply clamps on to it. Equalizers are combinations of two cable taps. They can be furnished to equalize the load on any two sizes of cable.

The three-way is used to make a main line splice and to connect a branch wire at the joint.

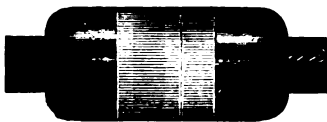
When main and branch cables are of different sizes, please give size of main first in ordering cable taps. To determine the list price of a cable tap of an odd size: Add the list price of the two-way connector for the main to half the list price of a two-way for the branch.

Reducers are made in two-ways and three-ways. The accompanying illustration shows a two-way reducer. Any combination of reduction can be effected by means of these reducers. To ascertain the list price of a two-way reducer, take one half the list price of a regular two-way of the corresponding size of each end.

The elbow makes an admirable right angle connection. List prices same as for straight two-way connectors of corresponding size.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DOSSERT CONNECTORS



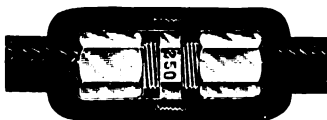
Insulated Two-way Connector



Stud Connector, Type M



Stud Connector, Type F



Sectional View



Cable Anchor, Type S



Cable Anchor, Type R



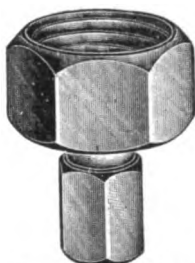
Cable Anchor, Type E



Service Box Lug



Service Box Plug



Grounding Device

Insulating covers can be supplied for all sizes of Dossert Two-way Connectors up to 250000 C. M. The line comprises: No. 4 cover, which is for use on connectors taking all sizes of wires from No. 14 to No. 4, inclusive, solid and stranded; the No. 1 cover which is for use on the connector taking Nos. 1, 2 and 3 sizes of wires; the No. 00 cover, which is for use on the No. 0 and No. 00 connectors; and the 250000 C. M. cover, which is for use on the No. 000, No. 0000 and 250000 sizes of connectors.

Insulating covers can be furnished for Dossert Cable Taps up to 500000 C. M., the line comprising three sizes: No. 0000, 300000 C. M. and 500000 C. M. These covers can also be used on cable taps having main connections of the foregoing sizes and various smaller branch connections. Detailed information on application.

An insulating cover can be furnished for the No. 4 three-way connector, taking conductors ranging in size from No. 14 to No. 4, inclusive, or different combinations of these sizes.

Stud connector, Style F, is used to connect a wire or cable to a stud or threaded rod. Style M is used to connect wires or cables to flat strips or blocks.

Cable anchor, Style S, is used to connect the end of a cable to a strain insulator for the purpose of anchoring it. Style R is used to anchor one cable and take a branch off the anchored cable. Style E is used to splice and anchor two cables that are at right angles to each other.

The ground cap is used for connecting ground wires to the end of a pipe. When ordering, give size of gas pipe and size of wire and state whether solid or stranded.

The service box lug is used to connect wires to fuses where ordinarily a solder lug with a flat contact surface would be used. By the use of an assortment of sleeves with wire holes of different sizes, the same lug may be employed for connecting all wires from a certain predetermined size down to the smallest size used.

How to Order Dossert Connectors

Use the proper name of the connector desired.

In ordering Type A connectors for concentric laid cables, give circular mileage of cable, or exact diameter of cable, or exact diameter of one wire, and number of wires.

Type A, for solid wires, rods and tubing. Give gauge number of wire, or exact diameter of rod, wire or tube, or circular mileage of rod.

Type A, for rope laid and flexible cable. State that cable is rope laid or flexible and give circular mileage, or gauge number, or exact diameter, or send sample of cable. The diameter for given size of rope laid or flexible cable is considerably larger than that of the same size of concentric laid cable.

Type B. It is necessary to know the number of wires in a cable in furnishing Type B connectors, for the reason that the diameter of the core over which the inner ring fits varies according to the number of wires in the cable.

Do not use the words "T Joints" or "Tees." In ordering connectors of that character, state plainly "Three-ways" or "Cable Taps."

In ordering the smaller sizes of connectors from No. 0000 down, please be sure and state whether for stranded or solid wires.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DOSSERT CONNECTORS TYPES A, B AND C CONNECTORS

Size of Cable	Two-way		Three-way		Style Y		Cable Tap		Standard Lug	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
*14-4	094524	\$0.40	094555	\$0.60	094586	\$0.60	094617	\$0.60	094648	\$0.30
* 3-1	094525	.50	094556	.75	094587	.75	094618	.75	094649	.38
0	094526	.60	094557	.90	094588	.90	094619	.90	094650	.45
00	094527	.74	094558	1.11	094589	1.11	094620	1.11	094651	.56
000	094528	.90	094559	1.35	094590	1.35	094621	1.35	094652	.68
0000	094529	1.10	094560	1.65	094591	1.65	094622	1.65	094653	.83
250000	094530	1.30	094561	1.95	094592	1.95	094623	1.95	094654	.98
300000	094531	1.52	094562	2.28	094593	2.28	094624	2.28	094655	1.14
350000	094532	1.74	094563	2.61	094594	2.61	094625	2.61	094656	1.31
400000	094533	2.00	094564	3.00	094595	3.00	094626	3.00	094657	1.50
450000	094534	2.30	094565	3.45	094596	3.45	094627	3.45	094658	1.73
500000	094535	2.60	094566	3.90	094597	3.90	094628	3.90	094659	1.95
550000	094536	2.90	094567	4.35	094598	4.35	094629	4.35	094660	2.18
600000	094537	3.18	094568	4.77	094599	4.77	094630	4.77	094661	2.39
650000	094538	3.44	094569	5.16	094600	5.16	094631	5.16	094662	2.58
700000	094539	3.68	094570	5.52	094601	5.52	094632	5.52	094663	2.76
750000	094540	3.92	094571	5.88	094602	5.88	094633	5.88	094664	2.94
800000	094541	4.16	094572	6.22	094603	6.22	094634	6.22	094665	3.11
850000	094542	4.40	094573	6.60	094604	6.60	094635	6.60	094666	3.30
900000	094543	4.64	094574	6.96	094605	6.96	094636	6.96	094667	3.48
1000000	094544	5.00	094575	7.50	094606	7.50	094637	7.50	094668	3.75
1100000	094545	5.50	094576	8.25	094607	8.25	094638	8.25	094669	4.13
1200000	094546	6.00	094577	9.00	094608	9.00	094639	9.00	094670	4.50
1300000	094547	6.50	094578	9.75	094609	9.75	094640	9.75	094671	4.88
1400000	094548	7.00	094579	10.50	094610	10.50	094641	10.50	094672	5.25
1500000	094549	7.50	094580	11.25	094611	11.25	094642	11.25	094673	5.63
1600000	094550	8.00	094581	12.00	094612	12.00	094643	12.00	094674	6.00
1700000	094551	8.50	094582	12.75	094613	12.75	094644	12.75	094675	6.38
1800000	094552	9.00	094583	13.50	094614	13.50	094645	13.50	094676	6.75
1900000	094553	9.50	094584	14.25	094615	14.25	094646	14.25	094677	7.13
2000000	094554	10.00	094585	15.00	094616	15.00	094647	15.00	094678	7.50

*Prices of 14 to 4, inclusive, and 3 to 1, inclusive, respectively, are the same, but in ordering, state exact size wanted, as inner bore of sleeve must be drilled exactly to fit wire to be connected up.

We send Type A connectors on all orders, unless otherwise specified. When ordering Type B connectors please give number of strands in cable. When made with a round nipple and round nuts, the connector is styled Type C. Prices of Types A, B and C connectors are the same.

Two-way Insulating Covers

Trade No.	Mfrs. No.	Description	Price, Each
094679	4	For use on connector to take all sizes from Nos. 4 to 14, incl.	\$0.20
094683	1	For use on connector to take Nos. 1, 2 and 3 wires.....	.26
094680	00	For use on Nos. 00 and 0 connectors.....	.38
094681	250000	For use also on Nos. 0000 and 000 connectors.....	.60

Three-way Insulating Covers

094682	For use on No. 4 connector, taking conductors from Nos. 4 to 14, incl.	.65
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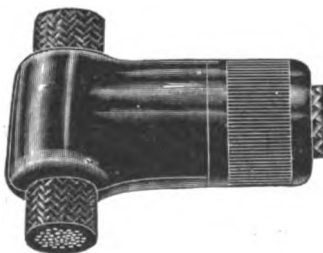
Cable Tap Insulating Covers

094684	0000	For use on No. 0000 cable tap and No. 0000 main to smaller branches. .	1.00
094685	300000	For use on 300000 C. M. cable tap and various sizes of mains and branches	1.10
094686	500000	For use on 500000 C. M. cable tap and various sizes of mains and branches	2.00

EXTRA SLEEVES

Dossert Connectors of a given size may be used on cables of a smaller size by changing the sleeves. The accompanying table shows how each size may be sleeved down. For example, a connector for No. 4 stranded cable may be sleeved to take any smaller size down to No. 14, either solid or stranded, a different sleeve being used for each size of wire or cable.

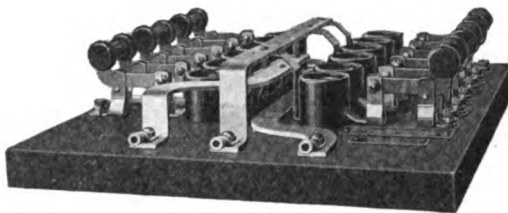
Trade No.	Size of Nut	Size of Cable	Price per 100	Trade No.	Size of Nut	Size of Cable	Price per 100
018502	4	4-14	\$8.00	018506	000	000- 12	\$16.00
018503	1	1-12	9.00	018507	0000	0000-000	20.00
018504	0	0-12	12.00	018508	0000	00- 0	20.00
018505	00	00-12	14.00	018509	0000	1- 12	20.00



Insulated Cable Tap Cover

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PANEL BOARDS



These panel boards represent the latest achievement in the development and design of panel boards.

It has long been recognized that the design of the standard panel board as it is now generally made by all manufacturers, involves a considerable waste of space in the mounting and spacing of the main bus bars.

In the Cutter Panel Board this has been overcome.

The bus bars, instead of being mounted side by side with the required space separations, are mounted one above the other. The separating spaces are reduced through the fact they are held free in the air.

The space occupied on the face of the panel is simply that of one bus bar; the other bars occupy that space hitherto unoccupied between the panel and the cabinet cover, instead of being spread across the panel.

This means a reduction in the width of the panel, amounting to from 25 to 40 per cent over the ordinary standard panel board.

The result is a corresponding reduction in the size of the cabinet, linings and the space required for mounting.

The panels are easier to install, stronger, less liable to breakage and the cost of transportation is materially reduced.

Electrically this panel board is ideal, as it is almost impossible to short-circuit the bus bars on account of their arrangement and location. The neutral bus bar is in front.

THE CUTTER PANEL BOARD IS SO DESIGNED THAT THE CIRCUIT PARTS ARE INTERCHANGEABLE AND REMOVABLE FROM THE FRONT. THE POSITION OF THE FUSES AND SWITCHES MAY BE REVERSED WITHOUT THE NECESSITY OF REMOVING THE PANEL FROM THE CABINET. PLUG FUSE HOLDERS MAY BE REPLACED BY NEW CODE FUSE HOLDERS. SNAP SWITCHES MAY BE SUBSTITUTED FOR KNIFE SWITCHES OR PUSH SWITCHES WITHOUT THE NECESSITY OF DISCONNECTING THE CIRCUIT WIRES.

MAINS are always placed at bottom of panels, unless otherwise specified.

CONDUCTING PARTS of all panels are made of pure drawn copper.

STANDARD FINISH of all panels is polished and lacquered, metal parts are mounted upon dull marine finished slate.

CAPACITIES of all branch circuits are rated at 30 amperes and are liberally designed. Capacities of mains as given in the lists are designed on a basis of 660 watts per branch circuit.

LININGS are of $3\frac{1}{2} \times \frac{1}{2}$ -inch dull marine finish slate and are listed opposite each panel. Where 200 amp. main switches are required the linings will be $4\frac{1}{2}$ inches wide. Price includes four japanned metal corners to hold panels and side linings rigidly together.

FUSES.—Panel prices do not include fuses. Panels for open link fuses have $1\frac{1}{2}$ -inch centers on branches, 2 and $2\frac{1}{2}$ -inch centers on mains.

PANELS for New Code fuses have clips for New Code enclosed fuses. Plug fuse type panels will take any plug fuse with standard Edison Base in branches and New Code enclosed fuses in mains.

Suggestions in Ordering Panel Boards

Standard panels should always be ordered by trade number. Orders deviating from the standard should be accompanied with complete information.

Complete description for a panel board would be in accordance with the following:

Example

CUTTER PANEL BOARDS.—Style E3.

PANELS.—Dull marine finished slate.

MAINS.—Three-wire, 250-125 volts, with fuse extension switch at top.

BRANCHES.—Two-wire, 125 volts with 30-ampere fuse extension switch in each.

FUSE.—Extensions for plug fuses in circuits and for New Code enclosed fuses in mains

FINISH of all metal parts, polished and lacquered.

LININGS for side of panel, $3\frac{1}{2} \times \frac{1}{2}$ -inch marine finish slate with adjustable corners.

DRILLING for wires, as per sketch furnished herewith.

TERMINALS on mains drilled as per schedule below.

NUMBER OF PANELS AND CIRCUITS.—

2- 8 Circuit main terminals for No. 8 solid wire.

4-10 Circuit main terminals for No. 4 stranded wire.

2-28 Circuit main terminals for No. 1 stranded wire.

Cutter Panel Boards Bear the Underwriters Label.

CUTTER PANEL BOARDS

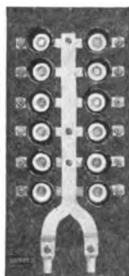
STYLE D2

With Plug Fuse Extensions and without Switches in Circuits

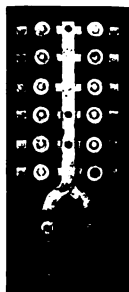
Two-wire Mains, 125 Volts—Two-wire Circuits, 125 Volts

Enclosed Fuse Extensions Furnished in the Circuits without Extra Cost

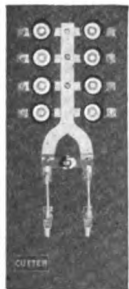
Base—Dull Marine Finished Slate. Copper—Highly Polished and Lacquered



No. 24559



No. 24575



No. 24590



No. 24606

STYLE D2T, WITH MAIN TERMINALS ONLY

No. Cir.	PANEL ONLY		PANEL Height	SIZE Depth	Cap. Mains	Complete List, Panel and Cabinet				
	Trade No.	Price Each				Slate Lining List	Style MF—MW	Style UF	Style HW	Style TF
2	24557	\$4.20	8	4 1/2	30	\$3.00	\$18.80	\$22.70	\$11.90	\$11.20
4	24558	6.40	12	4 1/2	30	3.40	22.10	26.30	14.80	14.20
6	24559	8.60	14	4 1/2	60	3.60	25.00	29.20	17.30	16.80
8	24560	10.70	18	4 1/2	60	4.00	28.40	32.80	20.10	19.70
10	24561	12.70	20	4 1/2	60	4.20	31.00	35.50	22.40	22.10
12	24562	15.40	24	4 1/2	100	4.60	35.00	39.70	25.80	25.60
14	24563	17.90	28	4 1/2	100	5.00	38.80	43.60	28.90	28.90
16	24564	19.90	30	4 1/2	100	5.20	41.50	46.30	31.20	31.30
18	24565	23.60	34	4 1/2	200	5.50	46.40	51.40	35.50	35.70
20	24566	25.80	36	4 1/2	200	5.70	49.20	54.30	38.00	38.30
22	24567	28.20	40	4 1/2	200	6.10	56.30	58.10	43.40	41.50
24	24568	30.30	42	4 1/2	200	6.20	58.90	60.80	45.90	43.90
26	24569	32.70	46	4 1/2	200	6.60	62.70	64.80	49.10	47.20
28	24570	34.90	48	4 1/2	200	6.80	65.60	67.90	51.80	49.90
30	24571	37.10	52	4 1/2	200	7.20	69.30	71.90	54.90	53.00

STYLE D2F, WITH MAIN FUSE EXTENSIONS

2	24573	5.70	10	4 1/2	30	3.20	20.80	24.90	13.70	13.10
4	24574	7.90	14	4 1/2	30	3.60	24.30	28.50	16.60	16.10
6	24575	10.40	18	4 1/2	60	4.00	28.10	32.50	19.80	19.40
8	24576	12.50	20	4 1/2	60	4.20	30.80	35.30	22.10	21.90
10	24577	14.50	24	4 1/2	60	4.60	34.10	38.80	24.90	24.70
12	24578	18.10	30	4 1/2	100	5.20	39.70	44.50	29.40	29.50
14	24579	20.60	34	4 1/2	100	5.50	43.40	48.40	32.50	32.70
16	24580	22.60	36	4 1/2	100	5.70	46.00	51.10	34.80	35.10
18	24581	27.90	42	4 1/2	200	6.20	56.50	58.40	43.50	41.50
20	24582	30.10	44	4 1/2	200	6.40	59.30	61.30	46.00	44.10
22	24583	32.50	48	4 1/2	200	6.80	63.20	65.50	49.40	47.50
24	24584	34.00	50	4 1/2	200	7.00	66.00	68.40	51.90	50.00
26	24585	37.00	54	4 1/2	200	7.40	69.90	72.80	55.20	53.30
28	24586	39.20	56	4 1/2	200	7.60	72.60	76.00	57.80	55.80
30	24587	41.40	60	4 1/2	200	8.00	76.30	80.50	60.90	59.00

STYLE D2S, WITH UNFUSED MAIN SWITCH

2	24589	8.50	14	4 1/2	30	3.60	25.90	30.10	17.20	17.70
4	24590	10.70	18	4 1/2	30	4.00	28.40	32.80	20.10	19.70
6	24591	13.80	22	4 1/2	60	4.40	32.80	37.30	23.80	23.60
8	24592	15.90	26	4 1/2	60	4.80	36.20	40.90	26.50	26.50
10	24593	17.90	28	4 1/2	60	5.00	38.80	43.60	29.00	28.90
12	24594	23.40	34	4 1/2	100	5.50	46.20	51.20	35.30	35.50
14	24595	25.90	36	4 1/2	100	5.70	49.30	54.40	38.10	38.40
16	24596	27.90	40	4 1/2	100	6.10	56.00	57.80	43.10	41.20
18	24597	34.80	44	6	200	8.30	67.40	69.40	52.50	52.20
20	24598	37.00	48	6	200	8.80	71.40	73.70	55.80	55.70
22	24599	39.40	50	6	200	9.10	74.60	77.00	58.60	58.60
24	24600	41.50	54	6	200	9.60	78.40	81.30	61.70	61.80
26	24601	43.90	56	6	200	9.80	81.30	84.70	64.60	64.50
28	24602	46.10	60	6	200	10.30	85.20	89.40	67.80	67.90
30	24603	48.30	62	6	200	10.60	88.30	92.80	70.40	70.70

STYLE D2SF, WITH FUSED MAIN SWITCH

2	24605	9.90	14	4 1/2	30	3.60	26.30	30.50	18.60	18.10
4	24606	12.10	18	4 1/2	30	4.00	29.80	34.20	21.50	21.10
6	24607	15.20	22	4 1/2	60	4.40	34.20	38.70	25.20	25.00
8	24608	17.30	26	4 1/2	60	4.80	37.60	42.30	27.90	27.90
10	24609	19.30	28	4 1/2	60	5.00	40.20	45.00	30.30	30.30
12	24610	26.60	36	4 1/2	100	5.70	50.00	55.10	38.80	39.10
14	24611	29.10	40	4 1/2	100	6.10	57.20	59.00	44.30	42.40
16	24612	31.10	42	4 1/2	100	6.20	59.70	61.60	46.70	44.70
18	24613	39.30	48	6	200	8.80	73.70	76.00	58.10	58.00
20	24614	41.50	50	6	200	9.30	76.90	79.30	60.70	60.90
22	24615	43.90	54	6	200	9.60	80.80	83.70	64.10	64.20
24	24616	46.00	58	6	200	10.10	84.40	88.30	67.20	67.40
26	24617	48.40	60	6	200	10.30	87.50	91.70	70.30	70.20
28	24618	50.60	64	6	200	10.90	91.40	96.30	73.20	73.50
30	24619	52.80	66	6	200	11.10	94.20	99.70	75.80	76.10

Panels, 10 Inches Wide

For directory frames, add \$1.50 list. For plain finish copper, deduct 5%. For black enameled slate, add 5%. For marble panels, add 25%. For marble linings, add 100%. Circuits on 250-volt panels have enclosed fuse extensions. For 250-volt panels add 10% to above prices. Mains on 250-volt panels figured at 3 amperes per circuit.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PANEL BOARDS

STYLE D3

With Plug Fuse Extensions and without Switches in Circuits

Three-wire Mains, 125-250 Volts—Two-wire Circuits, 125 Volts

Enclosed Fuse Extensions Furnished in the Circuits without Extra Cost

Base—Dull Marine Finished Slate. Copper—Highly Polished and Lacquered

STYLE D3T, WITH MAIN TERMINALS ONLY

No. Cir.	PANEL ONLY Trade No.	Price Each	PANEL SIZE Height Depth	Cap. Mains	Slate Lining List	Complete List, Panel and Cabinet Style MF—MW	Style UF	Style HW	Style TF
2	24621	\$4.90	8 4½	30	\$3.10	\$19.60	\$23.50	\$12.60	\$12.00
4	24622	7.20	12 4½	30	3.50	23.00	27.20	15.60	15.10
6	24623	9.20	14 4½	30	3.70	25.70	29.90	17.90	17.50
8	24624	11.60	18 4½	30	4.10	29.40	33.80	21.00	20.70
10	24625	14.00	20 4½	30	4.30	32.40	36.90	23.70	23.50
12	24626	16.80	24 4½	60	4.70	36.50	41.20	27.20	27.10
14	24627	18.90	26 4½	60	4.90	39.30	44.00	29.50	29.60
16	24628	21.30	30 4½	60	5.30	43.00	47.80	32.60	32.80
18	24629	23.50	32 4½	60	5.40	45.70	50.60	35.00	35.30
20	24630	25.90	36 4½	60	5.80	49.40	54.50	38.10	38.50
22	24631	29.70	40 4½	100	6.20	57.90	59.70	44.90	43.10
24	24632	32.10	42 4½	100	6.30	60.80	62.70	47.70	45.80
26	24633	34.50	46 4½	100	6.70	64.60	66.70	50.90	49.10
28	24634	36.70	48 4½	100	6.90	67.50	69.80	53.60	51.80
30	24635	39.00	52 4½	100	7.30	71.30	73.90	56.80	55.00

STYLE D3F, WITH MAIN FUSE EXTENSIONS

2	24637	7.20	10 4½	30	3.30	22.40	26.50	15.20	14.70
4	24638	9.50	14 4½	30	3.70	26.00	30.20	18.20	17.80
6	24639	11.50	16 4½	30	3.90	28.60	32.90	20.50	20.20
8	24640	13.90	20 4½	30	4.30	32.30	36.80	23.60	23.40
10	24641	16.30	22 4½	30	4.50	35.40	39.90	26.30	26.20
12	24642	19.50	28 4½	60	5.10	40.50	45.30	30.50	30.60
14	24643	21.60	30 4½	60	5.30	42.90	47.70	32.90	32.70
16	24644	24.00	34 4½	60	5.60	46.90	51.90	35.90	36.20
18	24645	26.20	36 4½	60	5.80	49.70	54.80	38.40	38.80
20	24646	28.60	40 4½	60	6.20	56.80	58.60	43.80	42.00
22	24647	33.80	46 4½	100	6.70	63.90	66.00	50.20	48.40
24	24648	36.20	48 4½	100	6.90	67.00	69.30	53.10	51.30
26	24649	38.60	52 4½	100	7.30	70.90	73.50	56.40	54.60
28	24650	40.80	54 4½	100	7.50	73.80	76.70	59.00	57.20
30	24651	43.10	58 4½	100	7.90	77.40	81.30	62.20	60.40

STYLE D3S, WITH UNFUSED MAIN SWITCH

2	24653	11.40	14 4½	30	3.70	27.90	32.10	20.10	19.70
4	24654	13.70	18 4½	30	4.10	31.50	35.90	23.10	22.80
6	24655	15.70	20 4½	30	4.30	34.10	38.60	25.40	25.20
8	24656	18.10	24 4½	30	4.70	37.80	42.50	28.50	28.40
10	24657	20.50	26 4½	30	4.90	40.90	45.60	31.10	31.20
12	24658	24.60	32 4½	60	5.40	46.80	51.70	36.10	36.40
14	24659	26.70	34 4½	60	5.60	49.60	54.60	38.60	38.90
16	24660	29.10	38 4½	60	6.00	53.30	58.40	43.90	42.10
18	24661	31.30	40 4½	60	6.20	59.50	61.30	46.50	44.70
20	24662	33.70	44 4½	60	6.50	63.00	65.00	49.60	47.80
22	24663	41.70	48 4½	100	6.90	72.50	74.80	58.60	56.80
24	24664	44.10	52 4½	100	7.30	76.40	79.00	61.90	60.10
26	24665	46.50	54 4½	100	7.50	79.50	82.40	64.70	62.90
28	24666	48.70	58 4½	100	7.90	83.00	86.90	67.80	66.00
30	24667	51.00	60 4½	100	8.10	86.00	90.20	70.50	68.70

STYLE D3SF, WITH FUSED MAIN SWITCH

2	24669	13.50	14 4½	30	3.70	30.00	34.20	22.20	21.80
4	24670	15.80	18 4½	30	4.10	33.60	38.00	25.20	24.90
6	24671	17.80	20 4½	30	4.30	36.20	40.70	27.50	27.30
8	24672	20.20	24 4½	30	4.70	39.90	44.60	30.60	30.50
10	24673	22.60	26 4½	30	4.90	43.00	47.70	33.20	33.30
12	24674	26.70	32 4½	60	5.40	48.90	53.80	38.20	38.50
14	24675	28.80	34 4½	60	5.60	51.70	56.70	40.70	41.00
16	24676	31.20	38 4½	60	6.00	55.40	60.50	46.00	44.20
18	24677	33.40	40 4½	60	6.20	61.60	63.40	48.60	46.80
20	24678	35.80	44 4½	60	6.50	65.10	67.10	51.70	49.90
22	24679	46.50	52 4½	100	7.30	78.80	81.40	64.30	62.50
24	24680	48.90	54 4½	100	7.50	81.90	84.80	67.10	65.30
26	24681	51.30	58 4½	100	7.90	85.60	89.50	70.40	68.60
28	24682	53.50	60 4½	100	8.10	89.50	94.40	73.80	71.60
30	24683	55.80	64 4½	100	8.50	92.20	97.10	76.10	74.30

Panels, 10 Inches Wide

For directory frames, add \$1.50 list. For plain finish copper, deduct 5%. For black enameled slate, add 5%. For marble panels, add 25%. For marble linings, add 100%.

Circuits on 250-volt panels have enclosed fuse extensions. For 250-volt panels add 10% to above prices. For 3-wire circuits add 20% to the above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 24623



No. 24639



No. 24654



No. 24670

CUTTER PANEL BOARDS

STYLE E2

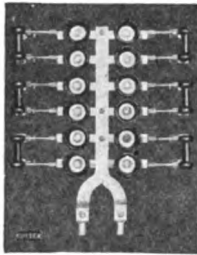
With Plug Fuse Extensions and 30-ampere Knife Switches in Circuits

Two-wire Mains, 125 Volts—Two-wire Circuits, 125 Volts

Enclosed Fuse Extensions Furnished in the Circuits without Extra Cost

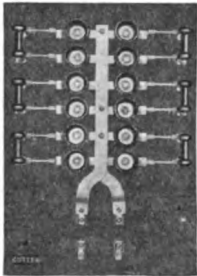
Base—Dull Marine Finished Slate. Copper—Highly Polished and Lacquered

STYLE E2T, WITH MAIN TERMINALS ONLY



No. 24687

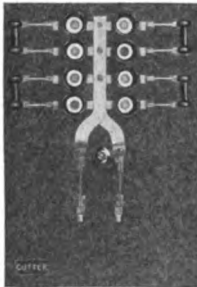
No. Cir.	PANEL ONLY Trade No.	Price Each	PANEL SIZE Height Depth	Cap. Mains	Slate Lining List	Complete List, Panel and Cabinet Style MF-MW	Style UF	Style HW	Style TF
2	24685	\$5.50	8 4 1/2	30	\$3.30	\$21.50	\$25.60	\$14.40	\$13.40
4	24686	8.50	12 4 1/2	30	3.70	26.00	30.40	18.30	17.40
6	24687	11.60	14 4 1/2	60	3.90	29.90	34.40	21.90	21.00
8	24688	14.80	18 4 1/2	60	4.30	34.70	39.30	25.90	25.20
10	24689	17.70	20 4 1/2	60	4.50	38.30	43.00	29.20	28.50
12	24690	21.30	24 4 1/2	100	4.90	44.00	48.70	33.60	33.50
14	24691	24.90	28 4 1/2	100	5.20	48.50	53.40	38.10	37.40
16	24692	27.90	30 4 1/2	100	5.40	52.20	57.10	41.50	40.80
18	24693	32.60	34 4 1/2	200	5.80	58.30	63.40	47.10	46.40
20	24694	35.80	36 4 1/2	200	6.00	62.30	67.40	50.70	50.00
22	24695	39.10	40 4 1/2	200	6.30	69.70	72.10	57.30	54.10
24	24696	42.20	42 4 1/2	200	6.50	73.50	76.10	61.00	57.70
26	24697	45.50	46 4 1/2	200	6.90	78.50	81.40	65.50	62.00
28	24698	48.70	48 4 1/2	200	7.10	82.70	85.80	69.30	65.80
30	24699	51.80	52 4 1/2	200	7.50	87.40	91.30	73.60	69.90



No. 24703

STYLE E2F, WITH MAIN FUSE EXTENSIONS

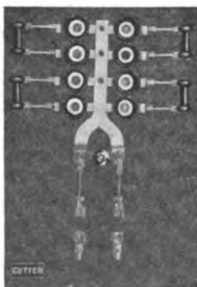
2	24701	7.00	10 4 1/2	30	3.50	23.70	28.00	16.40	15.40
4	24702	10.00	14 4 1/2	30	3.90	28.30	32.80	20.30	19.40
6	24703	13.40	18 4 1/2	60	4.30	33.30	37.90	24.50	23.80
8	24704	16.60	20 4 1/2	60	4.50	37.20	41.90	28.10	27.40
10	24705	19.50	24 4 1/2	60	4.90	41.70	46.40	31.80	31.20
12	24706	24.00	30 4 1/2	100	5.40	48.30	53.20	37.60	36.90
14	24707	27.60	34 4 1/2	100	5.80	53.30	58.40	42.10	41.40
16	24708	30.60	36 4 1/2	100	6.00	57.10	62.20	45.50	44.80
18	24709	36.90	42 4 1/2	200	6.50	68.20	70.80	55.70	52.40
20	24710	40.10	44 4 1/2	200	6.70	72.30	75.00	59.50	56.10
22	24711	43.40	48 4 1/2	200	7.10	77.40	80.50	64.00	60.50
24	24712	46.50	50 4 1/2	200	7.30	81.30	84.80	67.70	64.10
26	24713	49.80	54 4 1/2	200	7.70	86.30	90.60	72.20	68.50
28	24714	53.00	58 4 1/2	200	7.90	90.40	95.00	75.90	72.20
30	24715	56.10	60 4 1/2	200	8.30	95.20	100.70	80.20	76.40



No. 24718

STYLE E2S, WITH UNFUSED MAIN SWITCH

2	24717	9.80	14 4 1/2	30	3.90	28.10	32.60	20.10	19.20
4	24718	12.80	18 4 1/2	30	4.30	32.70	37.30	23.80	23.20
6	24719	16.80	22 4 1/2	60	4.70	38.20	42.80	28.70	28.00
8	24720	20.00	26 4 1/2	60	5.10	42.90	47.70	32.70	32.10
10	24721	22.90	28 4 1/2	60	5.20	46.50	51.40	36.10	35.40
12	24722	29.30	34 4 1/2	100	5.80	55.00	60.10	43.80	43.10
14	24723	32.90	36 4 1/2	100	6.00	59.40	64.50	47.80	47.10
16	24724	35.90	40 4 1/2	100	6.30	66.50	68.90	54.10	50.90
18	24725	43.80	44 6	200	8.80	80.00	82.70	65.40	63.80
20	24726	47.00	48 6	200	9.30	85.20	88.30	69.90	68.30
22	24727	50.30	50 6	200	9.60	89.50	93.00	73.90	72.30
24	24728	53.40	54 6	200	10.10	94.50	98.80	78.30	76.70
26	24729	56.70	56 6	200	10.40	98.90	103.50	84.20	80.70
28	24730	59.90	60 6	200	10.90	104.00	109.50	86.70	85.20
30	24731	63.00	62 6	200	11.20	108.20	114.00	90.40	89.00



No. 24734

STYLE E2SF, WITH FUSED MAIN SWITCH

2	24733	11.20	14 4 1/2	30	3.90	29.50	34.00	21.50	20.60
4	24734	14.20	18 4 1/2	30	4.30	34.10	38.70	25.30	24.60
6	24735	18.20	22 4 1/2	60	4.70	39.60	44.20	30.10	29.40
8	24736	21.40	26 4 1/2	60	5.10	44.30	49.10	34.10	33.50
10	24737	24.30	28 4 1/2	60	5.20	47.90	52.80	37.50	36.80
12	24738	32.50	36 4 1/2	100	6.00	59.00	64.10	47.40	46.70
14	24739	36.10	40 4 1/2	100	6.30	66.70	69.10	54.30	51.10
16	24740	39.10	42 4 1/2	100	6.50	70.40	73.00	57.90	54.60
18	24741	48.30	48 6	200	9.30	86.50	89.60	71.20	69.60
20	24742	51.50	52 6	200	9.80	91.50	95.40	75.80	74.00
22	24743	54.80	54 6	200	10.10	95.90	100.20	79.70	78.10
24	24744	57.90	58 6	200	10.70	101.00	106.00	84.10	82.50
26	24745	61.20	60 6	200	10.90	105.30	110.80	88.00	86.50
28	24746	64.40	64 6	200	11.50	110.50	116.80	92.50	91.00
30	24747	67.50	66 6	200	11.80	114.80	121.60	96.00	94.90

Panels, 14 Inches Wide

For directory frames, add \$1.50 list. For plain finish copper, deduct 5%. For black enameled slate, add 5%. For marble panels, add 25%. For marble linings, add 100%. For switches with driven and sweated clips, add 30% to price of panel. Circuits on 250 volt panels have enclosed fuse extensions. For 250 volt panels add 20% to the above prices. Mains on 250 volt panels figured at 3 amperes per circuit.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PANEL BOARDS

STYLE E3

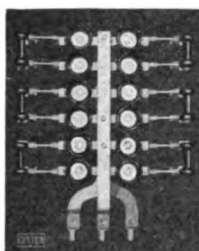
With Plug Fuse Extensions and 30-Ampere Knife Switches in Circuits

Three-wire Mains, 125-250 Volts—Two-wire Circuits, 125 Volts

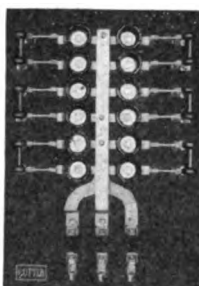
Enclosed Fuse Extensions Furnished in the Circuits without Extra Cost

Base—Dull Marine Finished Slate. Copper—Highly Polished and Lacquered

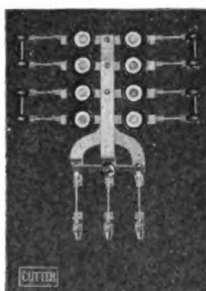
STYLE E3T, WITH MAIN TERMINALS ONLY



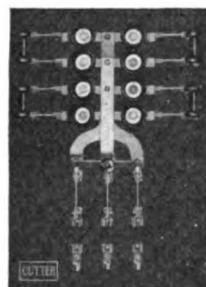
No. 24751



No. 24767



No. 24782



No. 24798

No. Cir.	PANEL ONLY Trade No.	Price Each	PANEL SIZE Height Depth	Cap. Mains	Slate Lining List	Complete List, Panel and Cabinet Style MF—MW	Style UF	Style HW	Style TF
2	24749	\$6.20	8 4 1/2	30	\$3.50	\$22.40	\$26.50	\$15.10	\$14.30
4	24750	8.30	12 4 1/2	30	3.90	26.00	30.40	18.10	17.40
6	24751	12.20	14 4 1/2	30	4.10	30.70	35.20	22.50	21.80
8	24752	15.70	18 4 1/2	30	4.50	35.80	40.40	26.80	26.30
10	24753	19.00	20 4 1/2	30	4.70	39.80	44.50	30.50	30.00
12	24754	22.70	24 4 1/2	60	5.10	45.10	49.80	33.00	34.60
14	24755	25.90	26 4 1/2	60	5.20	48.90	53.70	38.60	38.10
16	24756	29.30	30 4 1/2	60	5.60	53.80	58.70	42.90	42.40
18	24757	32.50	32 4 1/2	60	5.80	57.70	62.80	46.60	46.10
20	24758	35.90	36 4 1/2	60	6.10	62.50	67.60	50.80	50.20
22	24759	40.60	40 4 1/2	100	6.50	71.40	73.80	58.80	55.80
24	24760	44.00	42 4 1/2	100	6.70	75.50	78.10	62.50	59.70
26	24761	47.30	46 4 1/2	100	7.10	80.50	83.40	67.30	64.00
28	24762	50.50	48 4 1/2	100	7.30	84.70	87.80	71.10	67.80
30	24763	53.70	52 4 1/2	100	7.70	89.50	93.40	75.50	72.00

STYLE E3F, WITH MAIN FUSE EXTENSIONS

2	24765	8.50	10 4 1/2	30	3.70	25.40	29.70	17.90	17.10
4	24766	10.60	14 4 1/2	30	4.10	29.10	33.60	20.90	20.20
6	24767	12.50	16 4 1/2	30	4.30	31.70	36.40	23.20	22.60
8	24768	18.00	20 4 1/2	30	4.70	38.80	43.50	29.50	29.00
10	24769	21.30	22 4 1/2	30	4.90	42.90	47.50	33.20	32.70
12	24770	25.40	28 4 1/2	60	5.40	49.20	54.10	38.60	38.10
14	24771	28.60	30 4 1/2	60	5.60	53.10	58.00	42.20	41.70
16	24772	32.00	34 4 1/2	60	6.00	57.90	63.00	46.50	46.00
18	24773	35.20	36 4 1/2	60	6.10	61.80	66.90	50.10	49.50
20	24774	38.60	40 4 1/2	60	6.50	69.40	71.80	56.80	53.80
22	24775	44.70	46 4 1/2	100	7.10	77.90	80.80	64.70	61.40
24	24776	48.10	48 4 1/2	100	7.30	82.30	85.40	68.70	65.40
26	24777	51.40	52 4 1/2	100	7.70	87.20	91.10	73.20	69.70
28	24778	54.60	54 4 1/2	100	7.90	91.30	95.60	77.00	73.50
30	24779	57.80	58 4 1/2	100	8.30	96.20	101.20	81.30	77.70

STYLE E3S, WITH UNFUSED MAIN SWITCH

2	24781	12.70	14 4 1/2	30	4.10	31.20	35.70	23.00	22.30
4	24782	14.80	18 4 1/2	30	4.50	34.90	39.50	25.90	25.40
6	24783	18.70	20 4 1/2	30	4.70	39.50	44.20	30.20	29.70
8	24784	22.20	24 4 1/2	30	5.10	44.60	49.30	34.50	34.10
10	24785	25.50	26 4 1/2	30	5.20	48.50	53.30	38.20	37.70
12	24786	30.50	32 4 1/2	60	5.80	55.70	60.80	44.60	44.10
14	24787	33.70	34 4 1/2	60	6.00	59.60	64.70	48.20	47.70
16	24788	37.10	38 4 1/2	60	6.30	64.50	69.60	54.80	51.90
18	24789	40.30	40 4 1/2	60	6.50	71.10	73.50	58.50	55.50
20	24790	43.70	44 4 1/2	60	6.90	76.10	78.80	63.10	59.90
22	24791	52.60	48 4 1/2	100	7.30	86.80	89.90	73.20	69.90
24	24792	56.00	52 4 1/2	100	7.70	91.80	95.70	77.80	74.30
26	24793	59.30	54 4 1/2	100	7.90	96.00	100.30	81.70	78.20
28	24794	62.50	58 4 1/2	100	8.30	100.90	105.90	86.00	82.40
30	24795	65.70	60 4 1/2	100	8.50	105.00	110.50	89.80	86.20

STYLE E3SF, WITH FUSED MAIN SWITCH

2	24797	14.80	14 4 1/2	30	4.10	33.30	37.80	25.10	24.40
4	24798	16.90	18 4 1/2	30	4.50	37.00	41.60	28.00	27.50
6	24799	20.80	20 4 1/2	30	4.70	41.60	46.30	32.30	31.80
8	24800	24.30	24 4 1/2	30	5.10	46.70	51.40	36.60	36.20
10	24801	27.60	26 4 1/2	30	5.20	50.60	55.40	40.30	39.80
12	24802	32.60	32 4 1/2	60	5.80	57.80	62.90	48.70	46.20
14	24803	35.80	34 4 1/2	60	6.00	61.70	66.80	50.30	49.80
16	24804	39.20	38 4 1/2	60	6.30	66.60	71.70	56.90	54.00
18	24805	42.40	40 4 1/2	60	6.50	73.20	75.60	60.60	57.60
20	24806	45.80	44 4 1/2	60	6.90	78.20	80.90	65.20	62.00
22	24807	57.40	48 4 1/2	100	7.70	93.20	97.10	79.20	75.70
24	24808	60.80	54 4 1/2	100	7.90	97.50	101.80	83.20	79.70
26	24809	64.10	58 4 1/2	100	8.30	102.50	107.50	87.60	84.00
28	24810	67.30	60 4 1/2	100	8.50	106.60	112.10	91.40	87.80
30	24811	70.50	64 4 1/2	100	8.80	111.40	117.70	95.70	91.90

Panels, 14 Inches Wide

For directory frames, add \$1.50 list. For plain finish copper, deduct 5%. For black enameled slate, add 5%. For marble panels, add 25%. For marble linings, add 100%. For switches with driven and sweated clips, add 30% to price of panel. Circuits on 250 volt panels have enclosed fuse extensions. For 250 volt panels add 20% to the above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PANEL BOARDS

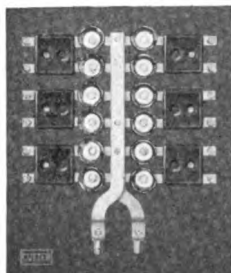
STYLE H2

With Plug Fuse Extensions and Double-pole Push Switches in Circuits

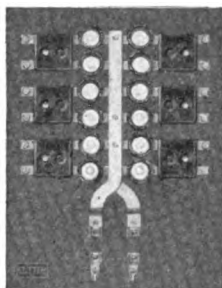
Two-wire Mains, 125 Volts—Two-wire Circuits, 125 Volts

Enclosed Fuse Extensions Furnished in the Circuit without Extra Cost

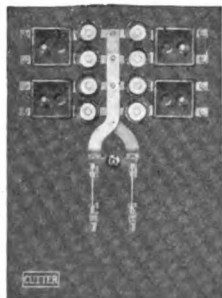
Base—Dull Marine Finished Slate. Copper—Highly Polished and Lacquered



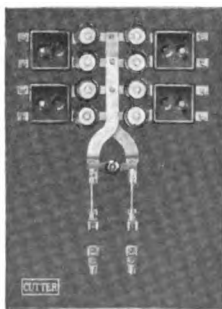
No. 30077



No. 30092



No. 30106



No. 30121

STYLE H2T, WITH MAIN TERMINALS ONLY

No. Cir.	PANEL Trade No.	PANEL ONLY Price Each	PANEL SIZE		Cap. Mains	Slate Lining List	Style MF-MW	COMPLETE LIST PANEL AND CABINET		
			Height	Depth				Style UF	Style HW	Style TF
2	30075	\$ 8.50	8	4 1/2	30	\$3.30	\$24.50	\$28.60	\$17.40	\$16.40
4	30076	14.50	12	4 1/2	30	3.70	32.00	36.40	24.30	23.40
6	30077	20.60	14	4 1/2	60	3.90	38.90	43.40	30.90	30.00
8	30078	26.80	18	4 1/2	60	4.30	46.70	51.30	37.90	37.20
10	30079	32.70	20	4 1/2	60	4.50	53.30	58.00	44.20	43.50
12	30080	39.30	24	4 1/2	100	4.90	61.50	66.20	51.60	51.00
14	30081	45.90	28	4 1/2	100	5.20	69.50	74.40	59.10	58.40
16	30082	51.90	30	4 1/2	100	5.40	76.20	81.10	65.50	64.80
18	30083	59.60	34	4 1/2	200	5.80	85.30	90.40	74.10	73.40
20	30084	65.80	36	4 1/2	200	6.00	92.30	97.40	80.70	80.00
22	30085	72.10	40	4 1/2	200	6.30	102.70	105.10	90.30	87.10
24	30086	78.20	42	4 1/2	200	6.50	109.50	112.10	97.00	93.70
26	30087	84.50	46	4 1/2	200	6.90	117.50	120.40	104.50	101.00
28	30088	90.70	48	4 1/2	200	7.10	124.70	127.80	111.30	107.80
30	30089	96.80	52	4 1/2	200	7.50	132.40	136.30	118.60	114.90

STYLE H2F, WITH MAIN FUSE EXTENSIONS

2	30090	10.00	10	4 1/2	30	3.50	26.70	31.00	19.40	18.40
4	30091	16.00	14	4 1/2	30	3.90	34.30	38.80	26.30	25.40
6	30092	22.40	18	4 1/2	60	4.30	42.30	46.90	33.50	32.80
8	30093	28.60	20	4 1/2	60	4.50	49.20	53.90	40.10	39.40
10	30094	34.50	24	4 1/2	60	4.90	56.70	61.40	46.80	46.20
12	30095	42.00	30	4 1/2	100	5.40	66.30	71.20	55.60	54.90
14	30096	48.60	34	4 1/2	100	5.80	74.30	79.40	63.10	62.40
16	30097	54.60	36	4 1/2	100	6.00	81.10	86.20	69.50	68.80
18	30098	63.90	42	4 1/2	200	6.50	95.20	97.80	82.70	79.40
20	30099	70.10	44	4 1/2	200	6.70	102.30	105.00	89.50	86.10
22	30100	76.40	48	4 1/2	200	7.10	110.40	113.50	97.00	93.50
24	30101	82.50	50	4 1/2	200	7.30	117.30	120.80	103.50	100.10
26	30102	88.80	54	4 1/2	200	7.70	125.30	129.60	111.20	107.50
28	30103	95.00	56	4 1/2	200	7.90	132.40	137.00	117.90	114.20
30	30104	101.10	60	4 1/2	200	8.30	140.20	145.70	125.20	121.40

STYLE H2S, WITH UNFUSED MAIN SWITCH

2	30105	12.80	14	4 1/2	30	3.90	31.10	35.60	23.10	22.20
4	30106	18.80	18	4 1/2	30	4.30	38.70	43.30	29.90	29.20
6	30107	25.80	22	4 1/2	60	4.70	47.20	51.80	37.70	37.00
8	30108	32.00	26	4 1/2	60	5.10	54.90	59.70	44.70	44.10
10	30109	37.90	28	4 1/2	60	5.20	61.50	66.40	51.10	50.40
12	30110	47.30	34	4 1/2	100	5.80	73.00	77.10	61.90	61.10
14	30111	53.90	36	4 1/2	100	6.00	80.40	85.50	68.80	68.10
16	30112	59.90	40	4 1/2	100	6.30	90.50	92.90	78.10	74.90
18	30113	70.80	44	6	200	8.80	107.00	109.70	92.40	90.80
20	30114	77.00	48	6	200	9.30	115.20	118.30	99.90	98.30
22	30115	83.30	50	6	200	9.60	122.50	126.00	106.90	105.30
24	30116	89.40	54	6	200	10.10	130.50	134.80	114.30	112.70
26	30117	95.70	56	6	200	10.40	137.90	142.50	121.20	119.70
28	30118	101.90	60	6	200	10.90	146.00	151.50	128.70	127.20
30	30119	108.00	62	6	200	11.20	153.20	159.00	135.40	134.00

STYLE H2SF, WITH FUSED MAIN SWITCH

2	30120	14.20	14	4 1/2	30	3.90	32.50	37.00	24.50	23.60
4	30121	20.20	18	4 1/2	30	4.30	40.10	44.70	31.30	30.60
6	30122	27.20	22	4 1/2	60	4.70	48.60	53.20	39.10	38.40
8	30123	33.40	26	4 1/2	60	5.10	56.30	61.10	46.10	45.50
10	30124	39.30	28	4 1/2	60	5.20	62.90	67.80	52.50	51.80
12	30125	50.50	36	4 1/2	100	5.80	77.00	82.10	65.40	64.70
14	30126	57.10	40	4 1/2	100	6.00	87.70	90.10	75.30	72.10
16	30127	63.10	42	4 1/2	100	6.30	94.40	97.10	81.90	78.60
18	30128	75.30	48	6	200	8.80	113.50	116.60	98.20	96.60
20	30129	81.50	50	6	200	9.30	121.50	125.40	105.30	104.00
22	30130	87.80	52	6	200	9.60	128.90	133.30	112.70	111.10
24	30131	93.90	54	6	200	10.10	137.00	142.20	120.10	118.50
26	30132	100.20	58	6	200	10.40	144.30	149.80	127.00	125.50
28	30133	106.40	60	6	200	10.90	152.50	158.80	134.50	133.00
30	30134	112.50	62	6	200	11.20	159.80	166.60	141.00	139.90

Panels, 14 Inches Wide

Deduct \$0.70 per circuit if double-pole snap switches are furnished.
For directory frames add \$1.50 list. For plain finish copper, deduct 5%. For black enameled slate, add 5%. For marble linings, add 100%. For marble panels, add 20%.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PANEL BOARDS

STYLE H3

With Plug Fuse Extensions and Double-pole Push Switches in Circuits

Three-wire Mains, 250 Volts—Two-wire Circuits, 125 Volts

Enclosed Fuse Extensions Provided in Circuits without Extra Cost

Base—Dull Marine Finished Slate. Copper—Highly Polished and Lacquered

STYLE H3T, WITH MAIN TERMINALS ONLY

No. Cir.	Panel Trade No.	Price Each	Panel Size Hgt. Dpth.	Cap. Mains	Slate Lining List	LIST PANELS AND CABINET			
						Style MF-MW	Style UP	Style HW	Style TF
2	30135	\$ 9.20	8 4 1/2	30	\$3.50	\$25.40	\$29.50	\$18.10	\$17.30
4	30136	14.30	12 4 1/2	30	3.90	32.00	36.40	24.10	23.40
6	30137	21.20	14 4 1/2	30	4.10	39.70	44.20	31.50	30.80
8	30138	27.70	18 4 1/2	30	4.50	47.80	52.40	38.80	38.30
10	30139	34.00	20 4 1/2	30	4.70	54.80	59.50	45.50	45.00
12	30140	40.70	24 4 1/2	60	5.10	62.80	67.50	52.70	52.30
14	30141	46.90	26 4 1/2	60	5.20	69.90	74.70	59.60	59.10
16	30142	53.30	30 4 1/2	60	5.60	77.80	82.70	66.90	66.40
18	30143	59.50	32 4 1/2	60	5.80	84.70	89.80	73.60	73.10
20	30144	65.90	36 4 1/2	60	6.10	92.50	97.60	80.80	80.20
22	30145	73.60	40 4 1/2	100	6.50	104.40	106.80	91.80	88.80
24	30146	80.00	42 4 1/2	100	6.70	111.50	115.10	98.80	95.70
26	30147	86.30	46 4 1/2	100	7.10	119.50	122.40	106.90	103.00
28	30148	92.50	48 4 1/2	100	7.30	126.70	129.80	113.10	109.80
30	30149	98.70	52 4 1/2	100	7.70	134.50	138.40	120.50	117.00

STYLE H3F, WITH MAIN FUSE EXTENSIONS

No. Cir.	Panel Trade No.	Price Each	Panel Size Hgt. Dpth.	Cap. Mains	Slate Lining List	LIST PANELS AND CABINET			
						Style MF-MW	Style UP	Style HW	Style TF
2	30150	11.50	10 4 1/2	30	3.70	28.40	32.70	20.90	20.10
4	30151	16.60	14 4 1/2	30	4.10	35.10	39.60	26.90	26.20
6	30152	21.50	16 4 1/2	30	4.30	40.70	45.40	32.20	31.60
8	30153	30.00	20 4 1/2	30	4.70	50.80	55.50	41.50	41.00
10	30154	36.30	22 4 1/2	30	4.90	57.90	62.50	48.20	47.70
12	30155	43.40	28 4 1/2	60	5.40	67.20	72.10	56.60	56.10
14	30156	49.60	30 4 1/2	60	5.60	74.10	79.00	63.20	62.70
16	30157	56.00	34 4 1/2	60	6.00	81.90	86.80	70.50	70.00
18	30158	62.20	36 4 1/2	60	6.10	88.60	93.90	77.10	76.50
20	30159	68.60	40 4 1/2	60	6.50	99.50	101.80	86.80	83.80
22	30160	77.70	46 4 1/2	100	7.10	110.90	113.80	97.70	94.40
24	30161	84.10	48 4 1/2	100	7.30	118.30	121.40	104.70	101.40
26	30162	90.40	52 4 1/2	100	7.70	126.20	130.10	112.20	108.70
28	30163	96.60	54 4 1/2	100	7.90	133.30	137.60	119.00	115.50
30	30164	102.80	58 4 1/2	100	8.30	141.20	146.20	126.30	122.70

STYLE H3S, WITH UNFUSED MAIN SWITCH

No. Cir.	Panel Trade No.	Price Each	Panel Size Hgt. Dpth.	Cap. Mains	Slate Lining List	LIST PANELS AND CABINET			
						Style MF-MW	Style UP	Style HW	Style TF
2	30165	15.70	14 4 1/2	30	4.10	33.20	38.70	26.00	25.30
4	30166	20.80	18 4 1/2	30	4.50	40.90	45.90	31.90	31.40
6	30167	27.70	20 4 1/2	30	4.70	48.50	53.20	39.20	38.70
8	30168	34.20	24 4 1/2	30	5.10	56.60	61.30	46.50	46.10
10	30169	40.50	26 4 1/2	30	5.20	63.50	68.30	53.20	52.70
12	30170	48.50	32 4 1/2	60	5.80	73.70	78.80	62.60	63.50
14	30171	54.70	34 4 1/2	60	6.00	80.60	85.70	69.20	68.70
16	30172	61.10	38 4 1/2	60	6.30	88.50	93.60	78.80	75.90
18	30173	67.30	40 4 1/2	60	6.50	98.10	100.50	85.50	82.50
20	30174	73.70	44 4 1/2	60	6.90	106.10	108.80	93.10	89.90
22	30175	85.60	48 4 1/2	100	7.30	119.80	122.90	106.20	102.90
24	30176	92.00	52 4 1/2	100	7.70	127.80	131.70	113.80	110.30
26	30177	98.30	54 4 1/2	100	7.90	135.00	139.30	120.70	117.20
28	30178	104.50	58 4 1/2	100	8.30	142.90	147.90	128.00	124.40
30	30179	110.70	60 4 1/2	100	8.50	150.00	155.50	134.80	131.20

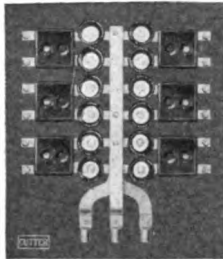
STYLE H3SF, WITH FUSED MAIN SWITCH

No. Cir.	Panel Trade No.	Price Each	Panel Size Hgt. Dpth.	Cap. Mains	Slate Lining List	LIST PANELS AND CABINET			
						Style MF-MW	Style UP	Style HW	Style TF
2	30180	17.80	14 4 1/2	30	4.10	36.30	40.80	28.10	27.40
4	30181	22.90	18 4 1/2	30	4.50	43.00	47.60	34.00	33.50
6	30182	29.80	20 4 1/2	30	4.70	50.60	55.30	41.30	40.80
8	30183	36.30	24 4 1/2	30	5.10	58.70	63.40	48.60	48.20
10	30184	42.60	26 4 1/2	30	5.20	65.60	69.80	55.30	54.80
12	30185	50.60	32 4 1/2	60	5.80	75.80	80.90	64.70	64.20
14	30186	56.80	34 4 1/2	60	6.00	82.70	87.80	71.30	70.80
16	30187	63.20	38 4 1/2	60	6.30	90.60	95.70	80.90	78.00
18	30188	69.40	40 4 1/2	60	6.50	100.20	102.60	87.60	84.60
20	30189	75.80	44 4 1/2	60	6.90	108.20	110.90	95.20	92.00
22	30190	90.40	52 4 1/2	100	7.70	126.20	130.10	112.20	108.70
24	30191	96.80	54 4 1/2	100	7.90	133.50	137.80	119.20	115.70
26	30192	103.10	58 4 1/2	100	8.30	141.50	146.50	126.60	123.00
28	30193	109.30	60 4 1/2	100	8.50	148.60	154.10	133.40	129.80
30	30194	115.50	64 4 1/2	100	8.80	156.40	162.70	140.70	136.90

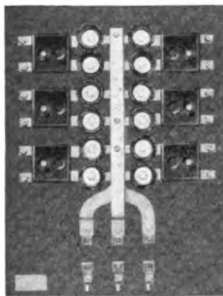
Panels, 14 Inches Wide

Deduct \$.70 per circuit if double pole snap switches are furnished.

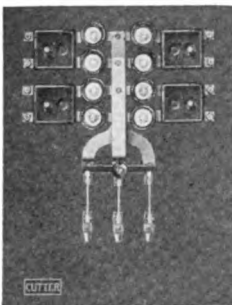
For directory frames, add \$1.50 list. For plain finish copper, deduct 5%. For black enameled slate, add 5%. For marble linings, add 100%. For marble panels, add 20%.



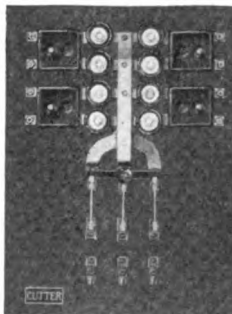
No. 30137



No. 30152



No. 30166



No. 30181

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PANEL BOARDS

THROUGH FEED PANELS

Extra List Prices and Heights to be Added—For All Styles of Panel Boards, with Main Lugs Only

Two-Wire, 125 Volts

CAP., No. of Cir.	THROUGH FEED Extra Prices and Sizes	30 AMPERES			60 AMPERES			100 AMPERES		
		STYLE OF THROUGH FEED Lugs only	Fuse Extensions	Fused Switch	STYLE OF THROUGH FEED Lugs only	Fuse Extensions	Fused Switch	STYLE OF THROUGH FEED Lugs only	Fuse Extensions	Fused Switch
2-4	Panel	\$1.70	\$3.30	\$7.20	\$2.10	\$4.00	\$7.40	\$3.50	\$7.00	\$14.90
	Slate lining	.40	.60	1.00	.60	1.00	1.40	.80	1.40	2.00
	Height	4 in.	6 in.	10 in.	6 in.	10 in.	14 in.	8 in.	14 in.	20 in.
6	Panel	\$2.00	\$3.60	\$7.50	\$2.00	\$4.00	\$7.40	\$4.00	\$7.50	\$15.40
	Slate lining	.60	.80	1.20	.60	1.00	1.40	.80	1.40	2.00
	Height	6 in.	8 in.	12 in.	6 in.	10 in.	14 in.	8 in.	14 in.	20 in.
8-10	Panel	\$2.10	\$3.70	\$7.70	\$4.00	\$6.00	\$10.30	\$4.40	\$7.90	\$15.70
	Slate lining	.60	.80	1.20	.60	1.00	1.40	.80	1.40	2.00
	Height	6 in.	8 in.	12 in.	6 in.	10 in.	14 in.	8 in.	14 in.	20 in.
12-16	Panel	\$5.30	\$6.60	\$10.50	\$5.00	\$6.70	\$11.00	\$5.40	\$8.60	\$16.50
	Slate lining	.60	.80	1.20	.60	1.00	1.40	.60	1.20	1.80
	Height	6 in.	8 in.	12 in.	6 in.	10 in.	14 in.	6 in.	12 in.	18 in.
18-22	Panel	\$2.00	\$3.60	\$7.50	\$2.00	\$3.60	\$8.00	\$4.80	\$8.00	\$15.90
	Slate lining	.40	.60	1.00	.40	.80	1.20	.80	1.40	2.00
	Height	4 in.	6 in.	10 in.	4 in.	8 in.	10 in.	8 in.	14 in.	20 in.
24-28	Panel	\$2.00	\$3.60	\$7.50	\$5.00	\$6.70	\$11.00	\$5.40	\$8.60	\$16.50
	Slate lining	.40	.60	1.00	.60	.80	1.40	.80	1.40	2.00
	Height	4 in.	6 in.	10 in.	6 in.	10 in.	14 in.	8 in.	14 in.	20 in.
30-32	Panel	\$5.60	\$7.50	\$11.80	\$5.60	\$7.60	\$11.80	\$6.00	\$9.50	\$17.30
	Slate lining	.60	.80	1.20	.60	.80	1.40	.80	1.40	2.00
	Height	6 in.	8 in.	12 in.	6 in.	10 in.	14 in.	8 in.	14 in.	20 in.

Three-Wire, 125-250 Volts

2-10	Panel	\$2.70	\$4.80	\$10.20	\$3.90	\$6.70	\$13.90	\$7.30	\$12.40	\$24.30
	Slate lining	.40	.60	1.00	.60	1.00	1.40	.80	1.40	2.00
	Height	4 in.	6 in.	10 in.	6 in.	10 in.	14 in.	8 in.	14 in.	20 in.
12	Panel	\$3.10	\$5.20	\$10.80	\$4.10	\$7.00	\$14.20	\$6.90	\$12.10	\$24.00
	Slate lining	.60	.80	1.20	.60	1.00	1.40	.80	1.40	2.00
	Height	6 in.	8 in.	12 in.	6 in.	10 in.	14 in.	8 in.	14 in.	20 in.
14-20	Panel	\$3.00	\$5.20	\$10.60	\$6.70	\$9.60	\$16.80	\$7.30	\$12.40	\$24.30
	Slate lining	.60	.80	1.20	.60	1.00	1.40	.80	1.40	2.00
	Height	6 in.	8 in.	12 in.	6 in.	10 in.	14 in.	8 in.	14 in.	20 in.
22	Panel	\$2.40	\$4.50	\$10.10	\$5.90	\$9.20	\$16.50	\$6.40	\$11.50	\$23.50
	Slate lining	.40	.60	1.00	.60	1.00	1.40	.60	1.20	1.80
	Height	4 in.	6 in.	10 in.	6 in.	10 in.	14 in.	6 in.	12 in.	18 in.
24-32	Panel	\$8.80	\$10.50	\$15.90	\$8.40	\$11.30	\$18.10	\$8.00	\$13.20	\$25.00
	Slate lining	.60	.80	1.20	.60	1.00	1.40	.60	1.20	1.80
	Height	6 in.	8 in.	12 in.	6 in.	10 in.	14 in.	6 in.	12 in.	18 in.

METER LOOPS

For All Styles of Panel Boards

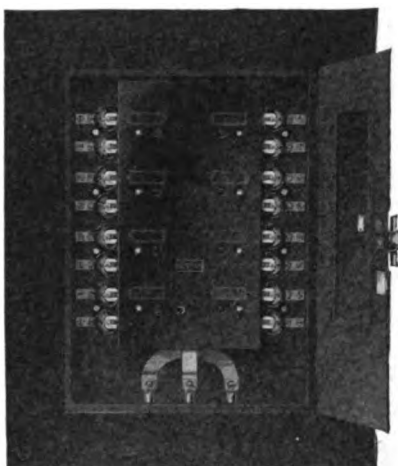
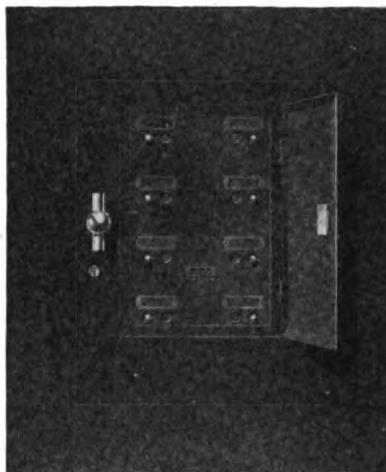
	Extra Prices and Sizes	2-4 Cir.	6-10 Cir.	12-16 Cir.	18-32 Cir.
2-2-Wire 125 V.	Panel	\$2.00	\$2.20	\$2.60	\$3.00
	Slate lining	.40	.40	.40	.40
	Height	4 in.	4 in.	4 in.	4 in.
3-2-Wire 125-250 V.	Panel	\$2.10	\$2.30	\$2.70	\$3.10
	Slate lining	.40	.40	.40	.40
	Height	4 in.	4 in.	4 in.	4 in.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PANEL BOARDS

STYLE SF

(Safety First)

Style SF Panel Board and Cabinet
with Main Door OpenStyle SF Panel Board and Cabinet
with Main Door Closed

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

The Cutter SF Panel Board is a combination of the standard panel and cabinet so arranged that access to the circuit switches may be obtained without exposing the branch fuses or the current carrying parts. They are highly recommended for use in stores, churches, residences, or other buildings where subject to operation by the public.

The space occupied by these panels and cabinets is the same as that required for the standard installation and the same saving in space is effected.

The circuit parts are interchangeable with those furnished on the Standard Cutter Panel Board, and are removable from the front.

FITTINGS.—The main cabinet door is fitted with a knob and catch with a Yale cylinder lever lock; the door over the switch section is provided with a brass knob Yale lock and spring catch. Two types of locks are furnished on each cabinet, making it impossible to change the fuses in the circuits without the use of the outside door key, which may be placed in the hands of a person having the authority to do so.

FINISH.—The steel cabinet fronts are painted with black asphaltum paint. The wood cabinet fronts are $\frac{3}{8}$ inch thick, plain light oak, varnished and rubbed smooth. Weathered, Flemish, golden, light or dark antique, oak finishes to match samples submitted, will be furnished without extra cost. Wood trims having special design will be furnished to match samples and prices will be quoted upon application. The steel fronts will be provided with an imitation wood finish at slight additional cost.

The switch plates are finished in a dull black and the card holders for the circuits in polished copper.

FUSES.—Panel prices do not include fuses. Provision will be made for Edison plug fuses in the circuits, and enclosed fuses in the mains. When specified New Code Enclosed Fuse Extensions will be furnished in the circuits instead of plug fuse receptacles and without extra cost. Cutter SF Panels and Cabinets should always be ordered by trade number. Orders deviating from the standard should be accompanied with complete information.

Great care should be taken in specifying the type of front which is desired and special wood finishes should be clearly specified on the order. A sample of the finish sent with the order will prevent unnecessary delays.

Cutter SF Panels and Cabinets Bear the Underwriters' Label

CUTTER PANEL BOARDS

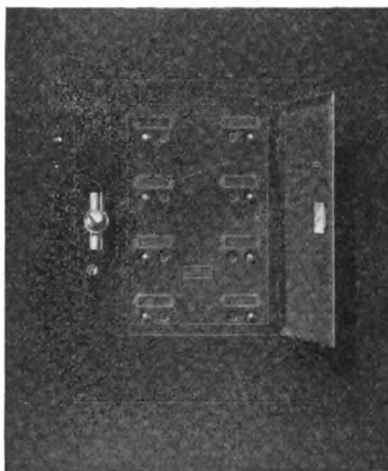
STYLE SF WITH STEEL FRONT CABINETS

With Plug Fuse Extensions and Push Switches

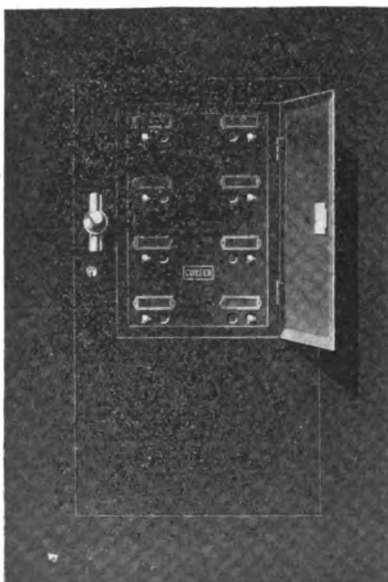
Three-wire Mains, 125-250 Volts—Two-wire Mains, 125 Volts—Two-wire Circuits, 125 Volts

Enclosed Fuse Extensions Furnished in the Circuits Without Extra Cost

Base—Dull Marine Finished Slate. All Exposed Copper Highly Polished and Lacquered



No. 30204



No. 30264

STYLE SF2T
 With 2-Wire
 Main Terminals Only

No. Cir.	Trade No.	Height 3-inch Gutter	Price Each
2	30201	14	\$30.40
4	30202	18	38.65
6	30203	20	46.65
8	30204	24	55.45
10	30205	26	62.85
12	30206	30	72.20
14	30207	32	81.10
16	30208	36	88.75
18	30209	38	98.60
20	30210	42	107.00
22	30211	46	118.80
24	30212	48	126.90
26	30213	52	136.00
28	30214	54	144.10
30	30215	58	152.90

STYLE SF2F
 With 2-Wire
 Main Fuse Extensions

No. Cir.	Trade No.	Height 3-inch Gutter	Price Each
2	30231	16	32.60
4	30232	20	40.95
6	30233	24	50.05
8	30234	26	57.95
10	30235	30	66.25
12	30236	36	76.00
14	30237	40	85.90
16	30238	42	93.65
18	30239	48	108.50
20	30240	50	117.00
22	30241	54	126.50
24	30242	56	134.70
26	30243	60	143.80
28	30244	62	151.80
30	30245	66	160.70

STYLE SF2S
 With 2-Wire
 Main Switch

No. Cir.	Trade No.	Height 3-inch Gutter	Price Each
2	30261	20	37.00
4	30262	24	45.35
6	30263	28	54.95
8	30264	32	63.65
10	30265	34	71.05
12	30266	40	83.70
14	30267	42	92.00
16	30268	46	103.05
18	30269	50	120.30
20	30270	54	129.90
22	30271	56	138.60
24	30272	60	147.90
26	30273	62	156.40
28	30274	66	165.40
30	30275	68	173.70

STYLE F2SF
 With 2-Wire
 Fused Main Switch

No. Cir.	Trade No.	Height 3-inch Gutter	Price Each
2	30291	20	38.40
4	30292	24	46.75
6	30293	28	56.35
8	30294	32	65.05
10	30295	34	72.45
12	30296	40	87.70
14	30297	42	99.30
16	30298	46	106.95
18	30299	50	126.80
20	30300	54	136.20
22	30301	56	145.00
24	30302	60	154.20
26	30303	62	162.80
28	30304	66	171.90
30	30305	68	179.30

STYLE SF3T
 With 3-Wire
 Main Terminals Only

Trade No.	Height 3-inch Gutter	Price Each
30216	14	\$31.30
30217	18	38.65
30218	20	47.45
30219	24	56.55
30220	26	64.35
30221	30	73.50
30222	32	81.50
30223	36	90.35
30224	38	98.00
30225	42	107.20
30226	46	120.50
30227	48	128.90
30228	52	138.00
30229	54	146.10
30230	58	155.00

STYLE SF3F
 With 3-Wire
 Main Fuse Extensions

Trade No.	Height 3-inch Gutter	Price Each
30246	16	34.30
30247	20	41.75
30248	22	48.45
30249	26	59.55
30250	28	67.45
30251	34	77.90
30252	36	85.70
30253	40	94.45
30254	42	102.10
30255	46	114.10
30256	52	127.00
30257	54	135.70
30258	58	144.00
30259	60	152.70
30260	64	161.70

STYLE SF3S
 With 3-Wire
 Main Switch

Trade No.	Height 3-inch Gutter	Price Each
30276	20	40.10
30277	24	47.55
30278	26	56.25
30279	30	65.35
30280	32	73.05
30281	38	84.40
30282	40	92.20
30283	44	101.05
30284	46	111.40
30285	50	120.80
30286	54	135.90
30287	58	145.20
30288	60	153.10
30289	64	162.30
30290	66	170.50

STYLE F3SF
 With 3-Wire
 Fused Main Switch

Trade No.	Height 3-inch Gutter	Price Each
30306	20	42.20
30307	24	49.65
30308	26	58.35
30309	30	67.45
30310	32	75.15
30311	38	86.50
30312	40	94.30
30313	44	103.15
30314	46	113.50
30315	50	123.90
30316	54	133.30
30317	58	150.90
30318	60	159.60
30319	64	168.00
30320	66	176.90

Width with 3-inch Gutter, 20 Inches

Cabinets are 4 1/4 inches deep except those having 200 ampere main switch which are 6 inches deep.

Panels having special bases furnished at an extra cost; prices quoted upon application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PANEL BOARDS

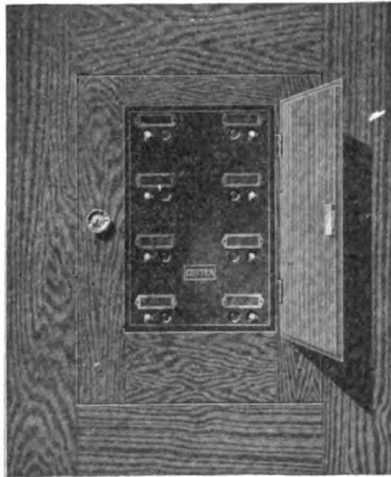
STYLE SF WITH WOOD FRONT CABINETS

With Plug Fuse Extensions and Push Switches in the Circuits

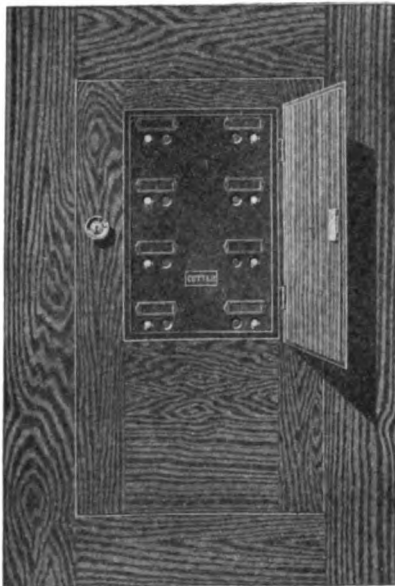
Three-wire Mains, 125-250 Volts—Two-wire Mains, 125 Volts—Two-wire Circuits, 125 Volts

Enclosed Fuse Extensions Furnished in the Circuits without Extra Cost

Base—Dull Marine Finished Slate. All Exposed Copper Highly Polished and Lacquered



No. 30324



No. 30384

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STYLE SF2T
 With 2-wire
 Main Terminals Only

No. Cir.	Trade No.	Height 3-inch Gutter	Price Each
2	30321	14	\$37.15
4	30322	18	45.85
6	30323	20	53.65
8	30324	24	62.70
10	30325	26	70.20
12	30326	30	79.70
14	30327	32	89.15
16	30328	36	97.50
18	30329	38	108.10
20	30330	42	115.35
22	30331	46	126.20
24	30332	48	134.85
26	30333	52	144.65
28	30334	54	153.20
30	30335	58	163.80

STYLE SF2F
 With 2-wire
 Main Fuse Extensions

No. Cir.	Trade No.	Height 3-inch Gutter	Price Each
2	30351	16	39.55
4	30352	20	48.25
6	30353	24	57.55
8	30354	26	65.30
10	30355	30	74.20
12	30356	36	86.10
14	30357	40	96.20
16	30358	42	103.90
18	30359	48	116.80
20	30360	50	126.25
22	30361	54	136.30
24	30362	56	145.00
26	30363	60	156.65
28	30364	62	165.75
30	30365	66	176.45

STYLE SF2S
 With 2-wire
 Main Switch

No. Cir.	Trade No.	Height 3-inch Gutter	Price Each
2	30381	20	44.40
4	30382	24	53.15
6	30383	28	62.70
8	30384	32	72.20
10	30385	34	80.20
12	30386	40	94.00
14	30387	42	102.60
16	30388	46	111.70
18	30389	50	130.90
20	30390	54	140.30
22	30391	56	149.35
24	30392	60	161.00
26	30393	62	170.30
28	30394	66	181.40
30	30395	68	193.25

STYLE SF2SF
 With 2-wire
 Fused Main Switch

No. Cir.	Trade No.	Height 3-inch Gutter	Price Each
2	30411	20	45.80
4	30412	24	54.55
6	30413	28	64.10
8	30414	32	73.60
10	30415	34	81.60
12	30416	40	98.00
14	30417	42	107.20
16	30418	46	115.90
18	30419	50	137.80
20	30420	54	147.40
22	30421	56	156.55
24	30422	60	168.20
26	30423	62	177.60
28	30424	66	188.70
30	30425	68	200.85

STYLE SE3T
 With 3-wire
 Main Terminals Only

Trade No.	Height 3-inch Gutter	Price Each
30336	14	\$38.05
30337	18	45.85
30338	20	54.45
30339	24	63.80
30340	26	71.70
30341	30	81.00
30342	32	89.45
30343	36	99.10
30344	38	107.50
30345	42	115.55
30346	46	127.90
30347	48	136.85
30348	52	146.65
30349	54	155.20
30350	58	165.90

STYLE SF3F
 With 3-wire
 Main Fuse Extensions

Trade No.	Height 3-inch Gutter	Price Each
30366	16	41.25
30367	20	49.05
30368	22	55.65
30369	26	66.90
30370	28	74.95
30371	34	85.70
30372	36	94.70
30373	40	104.40
30374	42	112.50
30375	46	122.20
30376	52	136.40
30377	54	145.15
30378	58	155.95
30379	60	165.50
30380	64	176.55

STYLE SF3S
 With 3-wire
 Main Switch

Trade No.	Height 3-inch Gutter	Price Each
30396	20	47.50
30397	24	55.75
30398	26	63.95
30399	30	73.30
30400	32	81.65
30401	38	94.20
30402	40	102.45
30403	44	111.95
30404	46	119.30
30405	50	130.10
30406	54	145.80
30407	58	155.80
30408	60	166.50
30409	64	177.30
30410	66	186.25

STYLE SF3SF
 With 3-wire
 Fused Main Switch

Trade No.	Height 3-inch Gutter	Price Each
30426	20	49.60
30427	24	57.45
30428	26	66.05
30429	30	75.40
30430	32	84.15
30431	38	96.30
30432	40	104.55
30433	44	114.00
30434	46	121.40
30435	50	132.20
30436	54	153.00
30437	58	162.90
30438	60	173.70
30439	64	183.50
30440	66	193.45

Width with 3-inch Gutter 20 Inches

Cabinets are 4½ inches deep except those having 200-ampere main switches which are 6 inches deep.

Panels having spiral bases furnished at an extra cost. Prices quoted upon application.

CUTTER PANEL BOARD CABINETS

Cutter Steel and Wood Cabinets comply with the Underwriters' specifications in every respect. In many details we have exceeded their requirements.

Our steel cabinets are made of one piece of heavy rolled steel formed up and riveted at the corners. This construction insures rigidity and prevents warping.

Wood cabinet fronts are made of seasoned oak carefully selected and will be furnished in natural wood finish, unless otherwise specified. Weathered, Flemish, golden light or dark antique oak finishes to match samples submitted will be furnished without extra charge. Ash and cypress will be furnished without extra cost.

We manufacture cabinets with specially designed fronts and doors. Prices will be quoted upon application.

Cabinets should be ordered by trade number. The trade number is determined in the following manner:

Add to the style letter, first, the length dimension and then the width dimension.

Example: The trade number of Style MF cabinet 30 inches long and 24 inches wide is "MF3024."

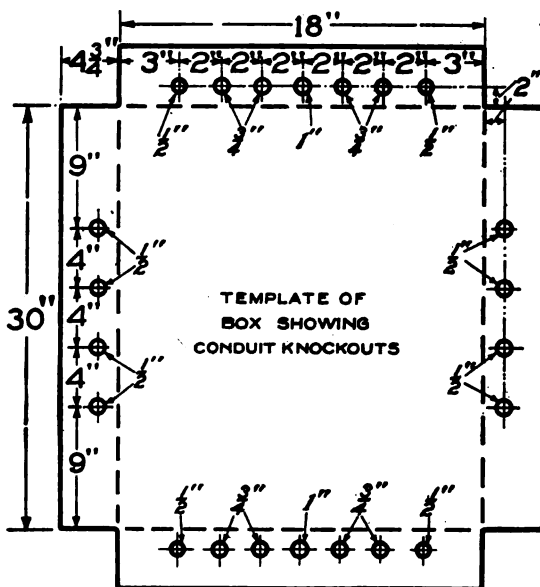
The following additional information will often prevent errors and delays.

MOUNTING.—Flush with wall.

MATERIAL.—Steel. Doors fitted with beveled plate glass panel.

HARDWARE.—Hinges of antique brass; vault handles, antique brass; locks, barrel with antique brass escutcheon; keys, two for each cabinet.

TYPICAL ORDER DATA FOR STEEL CABINETS



☒ Wall mounting.

☐ Flush mounting.

☒ With gutter.

☐ Without gutter.

☒ Slate lining.

☐ No slate lining.

☒ Vault handle.

☒ Lock.

_____ inches, back wiring pocket

3 inches, side wiring pocket.

Steel—☒ No. 16 ☐ No. 14 ☐
No. 12 ☐ No. 10, U. S. G.

Hinges on R hand side of box.

Type of cabinet, MW.

Size of panel board, inches, 10x24.

Order Date Sheets Furnished on Request.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PANEL BOARD CABINETS

STYLES MF AND MW

Steel Box, Steel Front—With Wiring Gutter

Cabinets less than 48 inches high have No. 14 U. S. gauge steel boxes and No. 12 gauge fronts. Cabinets 48 inches high and over have No. 10 gauge boxes and fronts.

Doors are beveled to insure rigidity.

Standard depth is $4\frac{3}{4}$ inches inside. Panels with 200 ampere main switches require cabinets 6 inches deep.

Doors 42 inches high and over have three-way catch.

Nickel-plated vault handles and locks are furnished.

Finish is dull black.

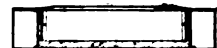
Boxes provided with knock-outs for conduit if ordered.

The sizes given below are the inside dimensions of boxes.

To obtain the size of box required, add twice the width of wiring gutter to size of panel.



Style MF, Flush Type



Style MW, Surface Type

List Prices, Each

Prices do not include Slate Lining

Height Inches	WIDTH, INCHES													
	12	13	14	15	16	17	18	19	20	21	22	24	26	
12	\$10.70	\$11.00	\$11.10	\$11.30	\$11.40	\$11.60	\$11.80	\$12.20	\$12.60	\$13.00	\$13.40	\$13.90	\$14.40	
14	11.10	11.40	11.60	11.80	11.90	12.10	12.30	12.70	13.10	13.30	13.90	14.50	15.00	
16	11.50	11.80	11.90	12.20	12.40	12.70	12.90	13.20	13.60	13.90	14.50	15.10	15.70	
18	11.90	12.20	12.30	12.70	12.90	13.10	13.40	13.80	14.20	14.50	15.10	15.80	16.30	
20	12.30	12.60	12.80	13.10	13.30	13.70	13.90	14.40	14.80	15.10	15.50	16.40	17.00	
22	12.80	13.10	13.20	13.60	13.80	14.10	14.40	14.90	15.20	15.50	16.10	17.00	17.60	
24	13.20	13.50	13.70	14.00	14.20	14.50	14.80	15.60	15.90	16.10	16.60	17.60	18.30	
26	13.70	14.00	14.10	14.50	14.70	15.10	15.30	16.10	16.40	16.60	17.20	18.30	19.00	
28	14.10	14.40	14.60	14.90	15.10	15.50	15.80	16.70	17.00	17.20	17.80	18.90	19.60	
30	14.60	14.90	15.00	15.40	15.60	16.00	16.30	17.30	17.50	17.70	18.30	19.40	20.20	
32	14.90	15.20	15.50	15.80	16.00	16.50	16.90	17.80	18.10	18.30	18.90	20.00	20.90	
34	15.30	15.60	15.90	16.30	16.60	17.10	17.40	18.40	18.70	18.90	19.60	20.70	21.60	
36	15.80	16.10	16.40	16.70	17.00	17.50	17.90	18.90	19.20	19.60	20.20	21.30	22.30	
38	16.10	16.50	16.80	17.30	17.60	18.10	18.50	19.40	19.80	20.20	20.90	22.00	22.90	
40	16.60	17.00	17.30	17.70	18.00	18.60	19.00	19.90	20.40	20.80	21.60	22.60	23.60	
42	17.00	17.40	17.70	18.20	18.50	19.10	19.50	20.50	21.00	21.40	22.30	23.20	24.20	
44	17.40	17.90	18.20	18.70	19.10	19.70	20.20	21.10	21.60	22.00	22.90	23.80	24.90	
46	21.20	21.70	22.00	22.40	22.70	23.20	23.60	24.30	24.80	25.20	25.90	26.90	28.10	
48	21.60	22.10	22.40	22.80	23.20	23.70	24.10	24.80	25.30	25.60	26.50	27.70	28.90	
50	22.00	22.50	22.80	23.40	23.80	24.30	24.70	25.50	26.00	26.40	27.30	28.50	29.90	
52	22.40	23.00	23.40	24.00	24.40	24.90	25.30	26.10	26.60	27.10	28.10	29.30	30.70	
54	22.90	23.40	23.90	24.50	25.00	25.50	26.00	26.90	27.40	27.80	28.90	30.10	31.50	
56	23.30	23.90	24.40	25.00	25.60	26.10	26.60	27.50	28.00	28.40	29.60	30.90	32.50	
58	23.70	24.30	25.00	25.60	26.20	26.70	27.30	28.10	28.60	29.00	30.40	31.70	33.40	
60	24.10	24.80	25.50	26.10	26.80	27.30	27.80	28.80	29.40	29.80	31.20	32.70	34.30	
62	24.60	25.20	25.90	26.50	27.20	27.80	28.40	29.50	30.10	30.50	32.00	33.50	35.20	
64	25.00	25.70	26.40	27.10	27.80	28.40	29.00	30.10	30.70	31.20	32.70	34.40	36.10	
66	25.40	26.20	26.90	27.70	28.30	29.00	29.60	30.80	31.40	31.90	33.40	35.20	37.00	
68	25.90	26.70	27.40	28.20	28.80	29.50	30.10	31.50	32.20	32.80	34.20	36.10	38.00	
70	26.30	27.10	27.90	28.70	29.40	30.10	30.70	32.10	32.80	33.50	35.10	36.90	39.00	
72	26.70	27.50	28.30	29.10	29.90	30.60	31.40	32.90	33.60	34.30	35.70	37.80	40.00	
74	27.20	28.00	28.90	29.70	30.40	31.20	32.00	33.50	34.30	35.00	36.40	38.60	41.00	
76	27.70	28.50	29.40	30.20	31.00	31.80	32.60	34.20	35.00	35.70	37.20	39.50	41.80	
78	28.20	29.00	29.90	30.80	31.60	32.40	33.20	34.90	35.70	36.50	38.00	40.30	42.70	
80	28.70	29.50	30.40	31.30	32.10	33.00	33.80	35.70	36.50	37.30	38.80	41.20	43.60	
82	29.20	30.10	31.00	31.90	32.70	33.60	34.40	36.30	37.20	38.00	39.60	42.00	44.50	
84	29.70	30.60	31.50	32.40	33.20	34.10	35.00	37.10	38.00	38.80	40.40	42.90	45.50	

For boxes 6 inches deep, add 10%. For cabinets less than 48 inches high, with No. 12 gauge boxes and fronts, add 10%. For cabinets less than 48 inches high, with No. 10 gauge boxes and fronts, add 15%. For flat doors with slate lining, add 30%. For double thick glass panel in door, add 25%. For plain plate glass panel in door, add 30%. For beveled plate glass panel in door, add 35%.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PANEL BOARD CABINETS

STYLE UF

Steel Box, Wood Front—With Wiring Gutter

Flush Type only



Cabinets less than 48 inches high have No. 14 U. S. gauge steel boxes. Cabinets 48 inches high and over have No. 10 gauge boxes.

Fronts and doors are $\frac{7}{8}$ inch thick, plain oak, lined with No. 16 gauge steel.

Standard depth is $4\frac{3}{4}$ inches inside. Panels with 200-ampere main switches require cabinets 6 inches deep.

Standard finish of front and doors is light oak, varnished and rubbed smooth.

Doors have locks and brass knob handles.

Boxes provided with knock-outs for conduit, if ordered.

The sizes given below are the inside dimensions of boxes.

To obtain the size of box required, add twice the width of wiring gutter to size of panel.

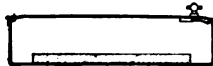
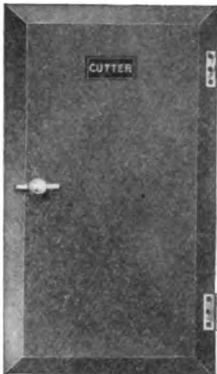
List Prices, Each
Prices do not include Slate Lining

Height Inches	WIDTH, INCHES												
	12	13	14	15	16	17	18	19	20	21	22	24	26
12	\$14.50	\$14.80	\$15.00	\$15.20	\$15.40	\$15.70	\$16.00	\$16.40	\$16.70	\$17.00	\$17.30	\$17.70	\$18.10
14	15.00	15.30	15.50	15.70	15.90	16.20	16.40	16.80	17.10	17.30	17.80	18.20	18.70
16	15.50	15.80	16.00	16.30	16.50	16.80	17.10	17.50	17.80	18.00	18.40	18.80	19.30
18	16.00	16.30	16.50	16.90	16.90	17.30	17.80	18.20	18.50	18.70	19.10	19.50	19.90
20	16.50	16.80	17.00	17.30	17.40	18.00	18.30	18.90	19.20	19.40	19.70	20.10	20.60
22	17.00	17.30	17.50	17.80	18.00	18.80	19.00	19.60	19.80	20.00	20.40	20.80	21.20
24	17.50	17.90	18.10	18.40	18.60	19.20	19.50	20.20	20.40	20.60	21.00	21.40	21.90
26	18.00	18.40	18.60	19.00	19.20	19.80	20.20	20.80	21.00	21.20	21.70	22.10	22.60
28	18.50	18.90	19.10	19.50	19.70	20.40	20.70	21.30	21.70	21.90	22.40	22.80	23.30
30	19.00	19.40	19.70	20.10	20.30	20.90	21.30	22.00	22.20	22.40	22.90	23.40	24.00
32	19.40	19.80	20.20	20.60	20.80	21.50	21.90	22.60	22.90	23.10	23.70	24.20	24.70
34	19.90	20.30	20.70	21.10	21.50	22.10	22.50	23.30	23.60	23.90	24.40	24.90	25.50
36	20.40	20.80	21.20	21.60	22.00	22.70	23.10	23.80	24.20	24.60	25.10	25.60	26.20
38	20.80	21.30	21.70	22.30	22.70	23.30	23.70	24.50	24.90	25.30	25.80	26.30	26.90
40	21.30	21.90	22.30	22.80	23.20	23.90	24.30	25.00	25.60	26.00	26.50	27.00	27.70
42	21.80	22.40	22.80	23.40	23.80	24.40	24.90	25.60	26.10	26.60	27.20	27.70	28.40
44	22.30	22.90	23.30	23.90	24.30	24.90	25.50	26.20	26.70	27.10	27.80	28.30	29.10
46	22.80	23.40	23.80	24.40	24.80	25.40	26.00	26.70	27.20	27.70	28.40	28.90	29.80
48	23.30	23.90	24.30	24.90	25.40	26.10	26.70	27.40	28.00	28.40	29.20	29.80	31.00
50	23.70	24.40	24.80	25.50	26.10	26.80	27.40	28.20	28.80	29.20	30.10	30.90	32.20
52	24.20	24.90	25.50	26.20	26.80	27.50	28.20	29.00	29.60	30.20	31.20	31.90	33.40
54	24.80	25.50	26.20	27.00	27.60	28.20	29.00	30.00	30.70	31.20	32.30	33.00	34.50
56	25.40	26.10	26.80	27.60	28.40	29.00	29.90	31.00	31.70	32.20	33.40	34.10	35.80
58	26.00	26.80	27.60	28.40	29.20	29.80	30.90	32.00	32.70	33.20	34.40	35.10	37.00
60	26.70	27.50	28.40	29.30	30.20	30.80	31.80	33.10	33.80	34.30	35.50	36.30	38.20
62	27.50	28.40	29.20	30.20	31.10	31.70	32.80	34.10	34.70	35.20	36.60	37.50	39.30
64	28.30	29.30	30.30	31.20	32.10	32.70	33.80	35.10	35.80	36.40	37.80	38.70	40.50
66	29.10	30.10	31.10	32.10	33.00	33.80	34.90	36.30	37.00	37.60	38.80	39.80	41.70
68	29.90	30.90	31.90	32.90	33.90	34.80	35.90	37.30	38.10	38.70	39.90	41.00	42.90
70	30.70	31.70	32.80	33.90	35.00	35.80	37.00	38.40	39.20	40.00	41.30	42.30	44.40
72	31.50	32.60	33.80	34.80	35.90	36.70	38.10	39.70	40.50	41.30	42.50	43.70	45.80
74	32.50	33.60	34.90	35.90	36.70	37.90	39.20	40.90	41.80	42.60	43.70	45.00	47.20
76	33.50	34.60	35.90	36.80	37.60	39.00	40.30	42.10	43.00	43.90	45.10	46.50	48.60
78	34.50	35.60	36.90	37.80	38.50	40.10	41.40	43.30	44.20	45.20	46.40	47.80	50.00
80	35.50	36.60	37.90	38.70	39.30	41.20	42.50	44.40	45.40	46.40	47.60	49.20	51.40
82	36.50	37.70	39.00	39.70	40.20	42.30	43.60	45.50	46.60	47.60	48.80	50.50	52.80
84	37.50	39.70	40.00	41.10	42.00	43.30	44.70	46.80	47.80	48.80	50.10	51.80	54.30

For boxes 6 inches deep, add 5%. For cabinets less than 48 inches high, with No. 12 gauge boxes, add 10%. For cabinets less than 48 inches high, with No. 10 gauge boxes, add 15%. For slate lining on door and mat, add 25%. For double thick glass panel in door, add 5%. For plain plate glass panel in door, add 10%. For beveled plate glass panel in door, add 15%.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PANEL BOARD CABINETS



STYLE HW

Steel Box, Steel Door—Without Wiring Gutter
Surface Type

Cabinets less than 48 inches high have No. 14 U. S. gauge steel boxes and doors. Cabinets 48 inches high and over have No. 10 gauge boxes and doors.

Doors are beveled to insure rigidity.

Standard depth is $4\frac{3}{4}$ inches inside.

Panels with 200 ampere main switches require cabinets 6 inches deep.

Doors 42 inches high and over have three-way catch.

Nickel-plated vault handles and locks are furnished.

Finish is dull black.

Boxes provided with knock-outs for conduit if ordered.

The sizes given below are the inside dimensions of boxes.

To obtain the size of box required, add to the panel size, twice the space desired between the panel and side of box.

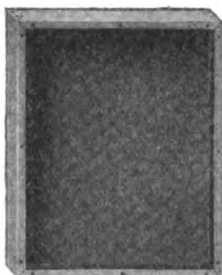
List Prices, Each

Height Inches	Width, Inches											
	12	13	14	15	16	17	18	19	20	22	24	26
12	\$7.30	\$7.60	\$7.80	\$8.10	\$8.30	\$8.50	\$8.70	\$9.00	\$9.30	\$9.90	\$10.30	\$10.70
14	7.70	8.00	8.20	8.50	8.70	8.90	9.10	9.40	9.70	10.40	10.90	11.30
16	8.00	8.30	8.50	8.90	9.20	9.40	9.60	9.90	10.20	10.90	11.50	11.90
18	8.40	8.70	8.90	9.30	9.50	9.80	10.10	10.40	10.70	11.50	12.00	12.30
20	8.70	9.00	9.20	9.60	9.90	10.30	10.50	10.90	11.20	12.00	12.50	12.90
22	9.00	9.30	9.50	10.00	10.30	10.70	11.00	11.40	11.60	12.50	13.10	13.40
24	9.40	9.70	9.90	10.40	10.70	11.10	11.40	12.00	12.20	13.00	13.50	13.90
26	9.70	10.00	10.20	10.70	11.00	11.50	11.90	12.40	12.70	13.50	14.10	14.60
28	10.00	10.30	10.50	11.10	11.40	11.90	12.30	12.80	13.20	14.10	14.70	15.20
30	10.40	10.70	10.90	11.40	11.80	12.30	12.70	13.30	13.60	14.50	15.10	15.70
32	10.60	10.90	11.20	11.80	12.20	12.70	13.20	13.70	14.10	15.10	15.70	16.30
34	11.00	11.30	11.60	12.10	12.60	13.20	13.60	14.20	14.60	15.60	16.30	16.90
36	11.30	11.60	11.90	12.50	13.00	13.60	14.00	14.70	15.10	16.20	16.80	17.50
38	11.50	11.90	12.20	12.90	13.50	14.10	14.50	15.20	15.70	16.70	17.40	18.10
40	11.90	12.30	12.60	13.30	13.90	14.50	14.90	15.60	16.20	17.30	18.00	18.80
42	12.20	12.60	12.90	13.60	14.30	14.90	15.30	16.00	16.60	17.80	18.60	19.40
44	14.80	15.30	15.70	16.40	17.10	17.70	18.30	19.00	19.60	20.60	21.60	22.70
46	15.20	15.80	16.20	16.90	17.60	18.20	18.80	19.50	20.10	21.30	22.30	23.60
48	15.60	16.20	16.60	17.30	18.20	18.80	19.40	20.10	20.60	21.90	23.10	24.50
50	15.90	16.60	17.10	17.90	18.80	19.40	20.00	20.70	21.20	22.70	23.90	25.40
52	16.40	17.10	17.60	18.50	19.40	20.00	20.60	21.20	21.70	23.40	24.60	26.10
54	16.90	17.60	18.20	19.00	20.00	20.60	21.20	21.90	22.40	24.20	25.40	26.90
56	17.30	18.00	18.60	19.50	20.60	21.20	21.80	22.50	23.00	24.90	26.20	27.90
58	17.80	18.50	19.20	20.00	21.20	21.80	22.50	23.10	23.60	25.70	27.00	28.80
60	18.20	18.90	19.60	20.50	21.80	22.40	23.00	23.80	24.30	26.50	27.90	29.70
62	18.60	19.30	20.00	21.00	22.30	22.90	23.60	24.40	24.90	27.20	28.70	30.60
64	19.10	19.90	20.60	21.60	22.90	23.50	24.20	25.00	25.50	28.00	29.60	31.50
66	19.50	20.30	21.10	22.10	23.40	24.10	24.80	25.70	26.20	28.60	30.40	32.50
68	19.90	20.70	21.50	22.60	23.90	24.60	25.30	26.30	26.90	29.40	31.30	33.40
70	20.30	21.20	22.00	23.00	24.40	25.20	25.90	27.00	27.60	30.30	32.10	34.40
72	20.70	21.60	22.40	23.50	24.80	25.60	26.50	27.80	28.50	31.00	33.00	35.30
74	21.10	22.00	23.00	24.00	25.30	26.20	27.10	28.40	29.30	31.70	33.80	36.20
76	21.50	22.40	23.40	24.50	25.80	26.80	27.70	29.20	30.10	32.50	34.70	37.00
78	21.90	22.90	23.90	25.00	26.30	27.30	28.30	29.80	30.80	33.30	35.50	37.90
80	22.30	23.30	24.30	25.40	26.70	27.80	28.90	30.50	31.60	34.10	36.40	38.70
82	22.70	23.80	24.90	26.00	27.30	28.40	29.50	31.20	32.40	34.90	37.20	39.60
84	23.10	24.20	25.30	26.50	27.70	28.90	30.10	32.00	33.20	35.70	38.10	40.50

For boxes 6 inches deep, add 10%. For cabinets less than 48 inches high, with No. 12 gauge boxes and doors, add 25%. For cabinets less than 48 inches high, with No. 10 gauge boxes and doors, add 30%. For cabinets less than 48 inches high, with 3-inch back wiring gutter, add 30%. For cabinets 48 inches high and over, with 3-inch back wiring gutter, add 25%.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PANEL BOARD CABINETS



STYLE TF

Steel Box only, no Front

Cabinets less than 48 inches high are No. 14 U. S. gauge steel boxes. Cabinets 48 inches high and over are No. 12 gauge boxes.

Standard depth is $4\frac{3}{4}$ inches inside. Panels with 200-ampere switches require cabinets 6 inches deep.

Finish is dull black.

Cabinets provided with knock-outs for conduit if ordered.

The sizes given below are the inside dimensions of cabinets.

To obtain the size of box required add twice the width of wiring gutter to size of panel.

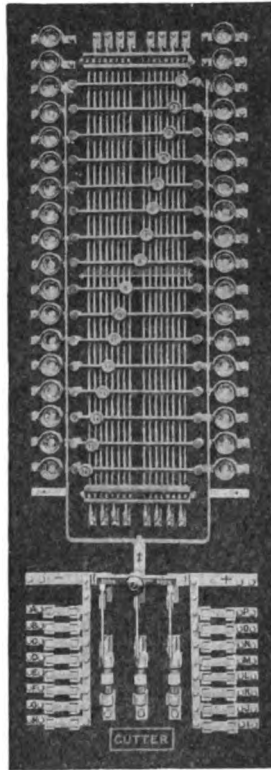
List Prices, Each

Height Inches	WIDTH, INCHES												
	12	13	14	15	16	17	18	19	20	21	22	24	26
12	\$3.50	\$3.70	\$3.80	\$3.90	\$4.00	\$4.10	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40
14	3.70	3.90	4.00	4.10	4.20	4.30	4.40	4.60	4.80	4.90	5.20	5.50	5.70
16	3.90	4.10	4.20	4.40	4.50	4.60	4.70	4.90	5.10	5.20	5.50	5.80	6.00
18	4.10	4.30	4.40	4.60	4.70	4.80	5.00	5.20	5.40	5.50	5.80	6.10	6.20
20	4.30	4.50	4.60	4.80	4.90	5.10	5.20	5.50	5.70	5.80	6.00	6.30	6.50
22	4.50	4.70	4.80	5.00	5.10	5.30	5.50	5.80	5.90	6.00	6.30	6.60	6.70
24	4.70	4.90	5.00	5.20	5.30	5.50	5.70	6.10	6.20	6.30	6.50	6.80	7.00
26	4.90	5.10	5.20	5.40	5.50	5.80	6.00	6.30	6.40	6.50	6.80	7.10	7.30
28	5.10	5.30	5.40	5.60	5.70	6.00	6.20	6.50	6.70	6.80	7.10	7.40	7.60
30	5.30	5.50	5.60	5.80	5.90	6.20	6.40	6.80	6.90	7.00	7.30	7.60	7.90
32	5.40	5.60	5.80	6.00	6.10	6.40	6.70	7.00	7.20	7.30	7.60	7.90	8.20
34	5.60	5.80	6.00	6.20	6.40	6.70	6.90	7.30	7.50	7.60	7.90	8.20	8.60
36	5.80	6.00	6.20	6.40	6.60	6.90	7.10	7.50	7.70	7.90	8.20	8.50	8.90
38	5.90	6.20	6.40	6.70	6.90	7.20	7.40	7.80	8.00	8.20	8.50	8.80	9.20
40	6.10	6.40	6.60	6.90	7.10	7.40	7.60	8.00	8.30	8.50	8.80	9.10	9.60
42	6.30	6.60	6.80	7.10	7.30	7.60	7.80	8.20	8.50	8.80	9.10	9.40	9.90
44	6.50	6.80	7.00	7.30	7.50	7.80	8.10	8.50	8.80	9.00	9.40	9.70	10.20
46	6.70	7.00	7.20	7.50	7.70	8.00	8.30	8.70	9.00	9.30	9.70	10.00	10.60
48	6.90	7.20	7.40	7.70	8.00	8.30	8.60	9.00	9.30	9.50	10.00	10.40	11.00
50	7.00	7.40	7.60	8.00	8.30	8.60	8.90	9.30	9.60	9.80	10.40	10.80	11.50
52	7.20	7.60	7.90	8.30	8.60	8.90	9.20	9.60	9.90	10.20	10.80	11.20	11.90
54	7.40	7.80	8.20	8.60	8.90	9.20	9.50	10.00	10.30	10.50	11.20	11.60	12.30
56	7.60	8.00	8.40	8.80	9.20	9.50	9.80	10.30	10.60	10.80	11.60	12.00	12.80
58	7.80	8.20	8.70	9.10	9.50	9.80	10.20	10.60	10.90	11.10	12.00	12.40	13.30
60	8.00	8.40	8.90	9.30	9.80	10.10	10.40	11.00	11.30	11.50	12.40	12.90	13.80
62	8.20	8.60	9.00	9.50	10.00	10.30	10.70	11.30	11.80	11.80	12.80	13.30	14.20
64	8.40	8.90	9.40	9.80	10.30	10.60	11.00	11.60	11.90	12.20	13.20	13.80	14.70
66	8.60	9.10	9.60	10.10	10.50	10.90	11.30	12.00	12.30	12.60	13.50	14.20	15.20
68	8.80	9.30	9.80	10.30	10.70	11.10	11.50	12.30	12.70	13.00	13.90	14.70	15.70
70	9.00	9.50	10.00	10.50	11.00	11.40	11.80	12.60	13.00	13.40	14.40	15.10	16.30
72	9.20	9.70	10.20	10.70	11.20	11.60	12.10	13.00	13.40	13.80	14.70	15.60	16.80
74	9.40	9.90	10.50	11.00	11.40	11.90	12.40	13.30	13.80	14.20	15.00	16.00	17.30
76	9.60	10.10	10.70	11.20	11.70	12.20	12.70	13.70	14.20	14.60	15.40	16.50	17.70
78	9.80	10.30	10.90	11.50	12.00	12.50	13.00	14.00	14.50	15.00	15.80	16.90	18.20
80	10.00	10.50	11.10	11.70	12.20	12.80	13.30	14.40	14.90	15.40	16.20	17.40	18.60
82	10.20	10.80	11.40	12.00	12.50	13.10	13.60	14.70	15.30	15.80	16.60	17.80	19.10
84	10.40	11.00	11.60	12.20	12.70	13.30	13.90	15.10	15.70	16.20	17.00	18.30	19.60

For boxes 6 inches deep, add 20%. For cabinets less than 48 inches high, made of No. 12 gauge, add 25%. For cabinets less than 48 inches high, made of No. 10 gauge, add 33 $\frac{1}{3}$ %.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

McWILLIAMS METERING PANEL BOARDS



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

With these panel boards it is possible to connect a circuit, or combination of circuits, through any one of a number of meters by simply changing the location of the metering connectors on the face of the board.

OFFICE BUILDINGS

This panel board has been very generally made a part of the specifications for modern office building. With this panel board it is only necessary to supply a meter for each tenant. Formerly a meter was required for each room. Any room or combination of rooms can be metered through one meter by changing the location of the meter connector on the face of the board. Changes in or additions to tenants' space can be provided for quickly and at no expense. The meter equipment and cost of meter reading are greatly reduced. Mistakes and fire risks are eliminated.

APARTMENT BUILDINGS

Modern apartment buildings furnish laundry, vacuum cleaning, storage rooms and servants' quarters for tenants' use. With this panel board the current used for operating these devices can be metered through any tenant's meter as desired.

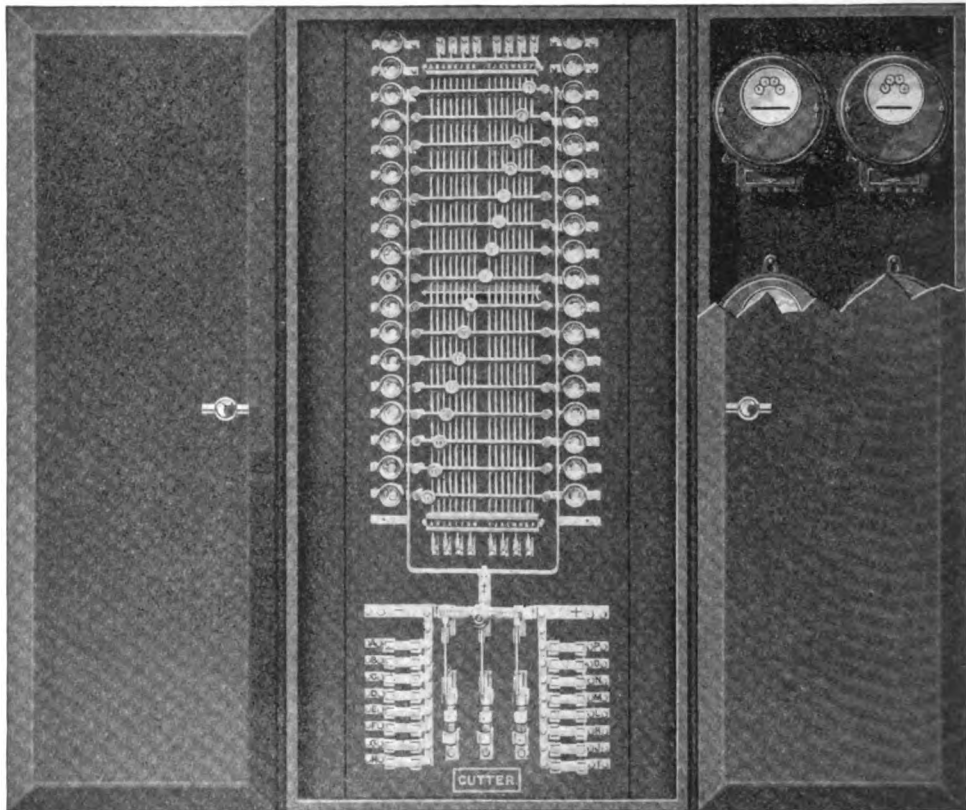
WAREHOUSES, FACTORIES, LOFTS, ETC.

Tenants' current can be metered to care for changes or addition to space without changing the wiring in the building.

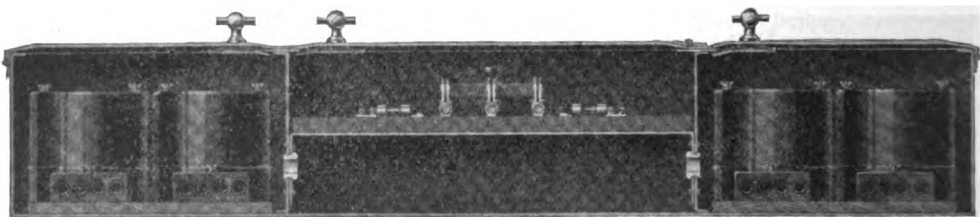
FACTORIES, APARTMENTS, STORES, ETC.

It is often necessary to change the current used to departments or work in progress. The McWilliams Panel Board offers an easy, accurate and safe means for doing this.

**McWILLIAMS METERING PANEL BOARDS ENCLOSED
IN TYPICAL METER CLOSETS**



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

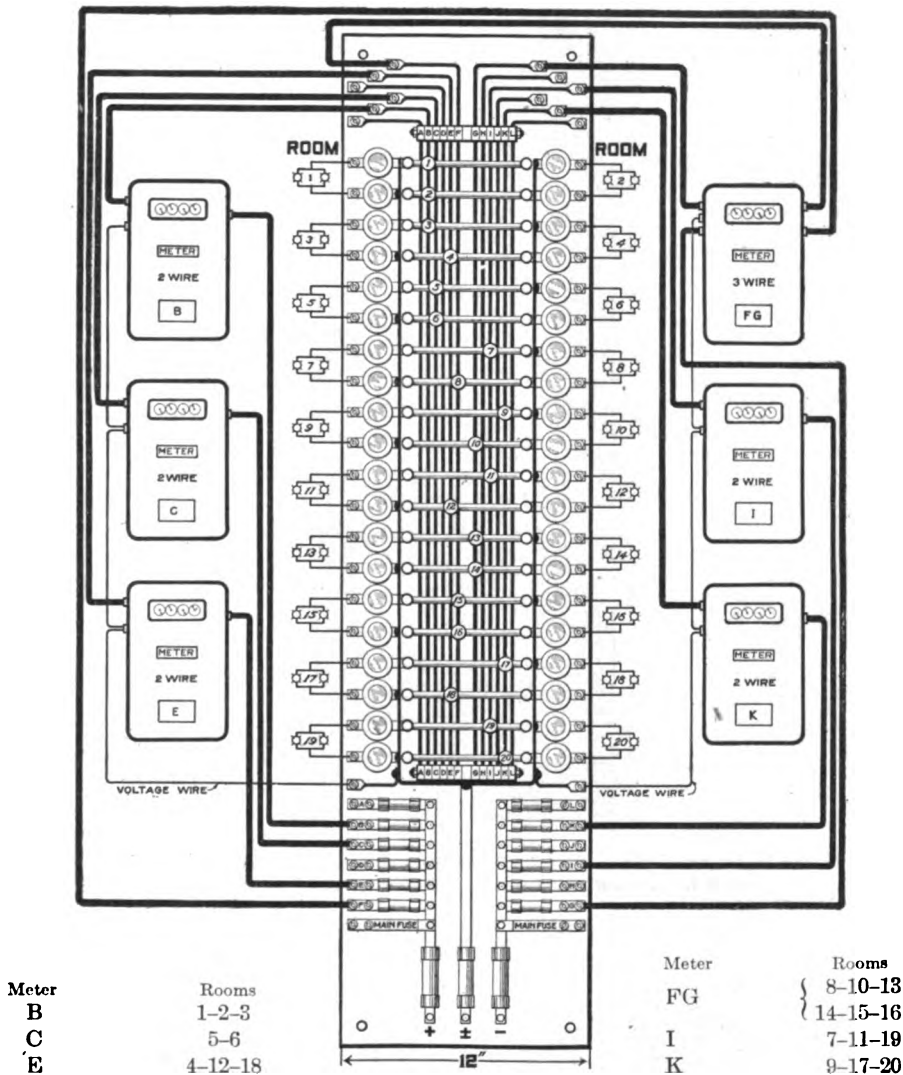


Prices on Metering Panel Boards enclosed in meter closets will be quoted upon application. In asking for quotations on Metering Panel Boards enclosed in meter closets, it will be necessary for us to know the number and make of meters to be enclosed.

McWILLIAMS SIMPLICITY METERING PANEL BOARDS

PATENTED

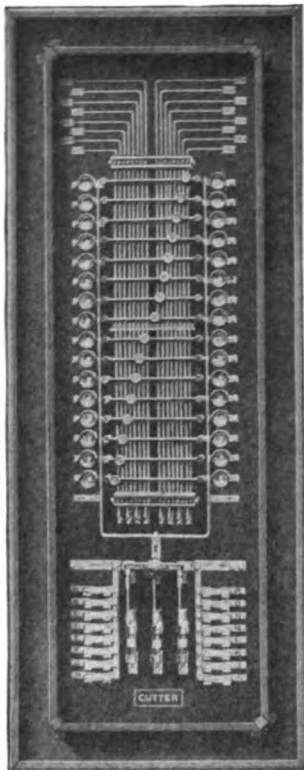
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



The basic principle underlying the construction of McWilliams Meter Panel Boards consists in arranging meter bars parallel with each other in the same plane and the crossing of these meter bars with consumption circuit bars from opposite sides of the panel board. A round circuit bar, supported above the meter bars, is used on which is placed a sliding and rotating switch contactor. The operator can easily move this contactor from one meter bar to another and clamp same in the selected location. The meter fuses are arranged so that they can be easily placed in multiple, to the end that additional fuse capacity can be obtained for any desired meter. All bus bars and wire terminals are arranged to show clearly every connection: in fact, the panel board itself might be considered a full scale wiring diagram. This feature prevents improper meter and wire connections. By the use of insulated posts and fittings, a condensed panel board is secured. As a typical illustration, a 12-meter loop panel board is 12 inches wide. The advantage of this condensed construction is important where the available space for a metering closet is limited.

McWILLIAMS METERING PANEL BOARDS

Enclosed in "MF" Steel Cabinets

**PRICE LIST**

McWilliams Metering Panel Boards enclosed in "MF" cabinets with terminals only in mains. These panel boards will be furnished with either new code or plug fuse extensions in the branches, as specified.

No. of Circ.		NUMBER OF METER LOOPS											
	4	6	8	10	12	14	16	18	20	22	24	26	
4	45.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	61.00	69.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	78.00	84.00	92.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	91.00	99.00	107.00	115.00	.....	.....	.....	.....	.....	.....	.....	.....
12	106.00	114.00	122.00	130.00	137.00	.....	.....	.....	.....	.....	.....	.....
14	121.00	129.00	137.00	145.00	152.00	160.00	.....	.....	.....	.....	.....	.....
16	138.00	144.00	152.00	160.00	167.00	175.00	183.00	.....	.....	.....	.....	.....
18	151.00	159.00	167.00	175.00	183.00	191.00	199.00	217.00	.....	.....	.....	.....
20	167.00	174.00	182.00	190.00	198.00	205.00	213.00	221.00	229.00	.....	.....	.....
22	182.00	190.00	198.00	206.00	214.00	223.00	231.00	239.00	247.00	256.00	.....	.....
24	197.00	206.00	214.00	222.00	230.00	238.00	246.00	254.00	263.00	271.00	279.00	.....
26	212.00	220.00	229.00	237.00	245.00	253.00	261.00	269.00	278.00	286.00	294.00	302.00	
28	228.00	236.00	244.00	252.00	260.00	268.00	276.00	284.00	293.00	301.00	309.00	317.00	
30	244.00	252.00	259.00	267.00	275.00	283.00	291.00	299.00	308.00	316.00	324.00	332.00	

Above list prices apply for either Edison plug fuses or N. E. C. enclosed cartridge fuses.

ADDITIONAL LIST PRICES

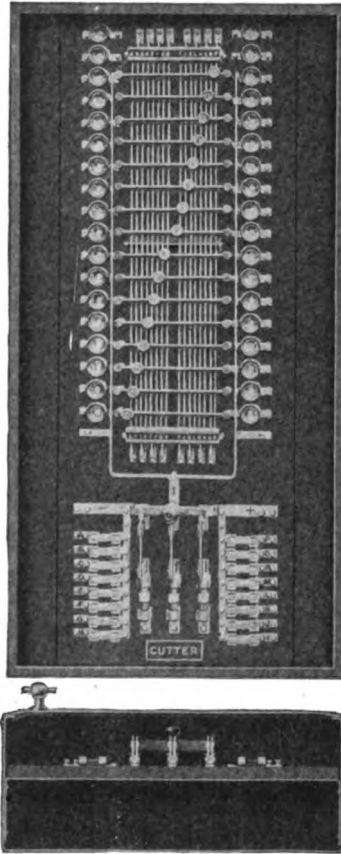
Description	AMPERE CAPACITY			
	0-30	35-60	65-100	105-200
Main fuses	\$2.50	\$3.00	\$4.25	\$5.00
Unfused main switch	10.00	12.00	18.00	22.00
Fused main switch	12.00	15.00	24.00	30.00
Circuit knife switch	1.00	.....	.....	.....

Dimensions of these panel boards and cabinets will be furnished upon application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

McWILLIAMS METERING PANEL BOARDS

ENCLOSED IN "HW" STEEL CABINETS



PRICE LIST

McWilliams Metering Panel Boards enclosed in "HW" cabinets with terminals only in mains.

These panel boards will be furnished with either new code or plug fuse extensions in the branches, as specified.

No. Cir.		NUMBER OF METER LOOPS										
	4	6	8	10	12	14	16	18	20	22	24	26
4	\$45.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	61.00	69.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	76.00	84.00	92.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	91.00	99.00	107.00	115.00	.....	.....	.....	.....	.....	.....	.....	.....
12	106.00	114.00	122.00	130.00	137.00	.....	.....	.....	.....	.....	.....	.....
14	121.00	129.00	137.00	145.00	152.00	160.00	.....	.....	.....	.....	.....	.....
16	136.00	144.00	152.00	160.00	167.00	175.00	183.00	.....	.....	.....	.....	.....
18	151.00	159.00	167.00	175.00	183.00	191.00	199.00	217.00	.....	.....	.....	.....
20	167.00	174.00	182.00	190.00	198.00	205.00	213.00	221.00	229.00	.....	.....	.....
22	182.00	190.00	198.00	206.00	214.00	223.00	231.00	239.00	247.00	256.00	.....	.....
24	197.00	206.00	214.00	222.00	230.00	238.00	246.00	254.00	263.00	271.00	279.00	.....
26	212.00	220.00	229.00	237.00	245.00	253.00	261.00	269.00	278.00	286.00	294.00	302.00
28	228.00	236.00	244.00	252.00	260.00	268.00	276.00	284.00	293.00	301.00	309.00	317.00
30	244.00	252.00	259.00	267.00	275.00	283.00	291.00	299.00	308.00	316.00	324.00	332.00

Above list prices apply for either Edison plug fuses or N. E. C. enclosed cartridge fuses.

ADDITIONAL LIST PRICES

Description	AMPERE CAPACITY			
	0-30	35-60	65-100	105-200
Main fuses.....	\$ 2.50	\$ 3.00	\$ 4.25	\$ 5.00
Unfused main switch	10.00	12.00	18.00	22.00
Fused main switch	12.00	15.00	24.00	30.00
Circuit knife switch	1.00	.....	.....	.....

Dimensions of these panel boards and cabinets will be furnished upon application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS PANELS

GENERAL PANEL BOARD SPECIFICATIONS

Type A. Branches arranged for N. E. C. cartridge fuses, with or without knife switches.
 Type DD. Branches arranged for Edison plug fuses, no switches.
 Type DK. Branches arranged for Edison plug fuses, with knife switches.
 Type DP. Branches arranged for Edison plug fuses, with push button switches.
 Type DR. Branches arranged for Edison plug fuses, with rotary snap switches.
 Type F. Branches arranged for N. E. C. cartridge fuses, with rotary snap switches.
 Type O. Branches arranged for N. E. C. cartridge fuses, with push button switches.

Material.—The base is highest grade black Monson slate, free from flaws or metallic veins. All current-carrying parts are best grade hard-drawn copper of 98 per cent conductivity.

Finish.—The slate is furnished with a rubbed oil finish. All exposed metal parts are finished in polished copper, carefully lacquered, except on contact surfaces.

Spacings.—All current-carrying parts are spaced in accordance with the latest requirements of the National Board of Fire Underwriters.

Current Density.—All current-carrying parts are based upon a maximum current density of 1000 amperes per square inch cross section.

Circuit Connections.—All two to two-wire panel boards are connected in the regular manner, adjacent poles of adjoining circuits being of the same polarity, but fed by separate strips. All three to two-wire panel boards are connected for the Edison three-wire system; that is, each branch circuit has one pole connected to the neutral bus-bar and the other pole connected to one of the two outside bus-bars. All three to two-wire panel boards are so connected that adjacent poles of adjoining circuits are of the same polarity, but fed by separate strips.

Capacities.—Fuse terminal branch circuits and branch circuits with knife switches are of 30 amperes capacity. Snap switch circuits are of 10 amperes capacity. Mains on all two to two-wire panel boards are figured at 6 amperes per circuit, and on three to two-wire panel boards at 3 amperes per circuit.

Circuit Strips.—Branch circuit strips are made of $\frac{1}{2}$ -inch by $\frac{1}{8}$ -inch copper, formed up in such a manner as to make direct connections to the main bus-bars without the use of pillars, thus reducing the number of parts and contact joints to a minimum.

Circuit Switches.—Knife switches are of 30 amperes capacity and 30 amperes spacing, equipped with substantial composition handles into which the blades are molded. Contact clips and hinge standards are each formed from one piece of $\frac{1}{2}$ -inch by No. 16-gauge copper. The contact clips are flared at the top to insure proper entrance of the blades. The blades are of substantial design and made of $\frac{1}{2}$ -inch by No. 12-gauge copper. Hinge joints are held under compression by spring washers, insuring perfect contact. Snap switches are of the indicating type, 10 amperes capacity, designed especially for these panel boards, and present a neat and attractive appearance. The outer case is made of black composition and covers the entire mechanism and connections.

Main Switches.—Main switches are of substantial design and construction and are regularly mounted at the bottom of the panel board, but will be mounted at the top, if specifically ordered. This change in arrangement does not alter the size or price of the panel board. The capacities of the main connections for various panel boards are given in the schedule where panel boards are listed.

Slate Frames.—Slate frames are made of oiled Monson slate $\frac{1}{2}$ inch thick, and telescope the panel board; therefore, the outside dimensions of a slate frame are 1 inch greater than those of the panel board with which it is used. Slate frames are drilled for circuit wires and slotted for main wires, and are held in position by adjustable corner irons.

Special Finishes and Arrangements.—Black enamel slate panel boards will be furnished at an advance of 5 per cent, if specifically ordered. White Italian or Blue Vermont marble panel boards will be furnished at an advance of 25 per cent, if specifically ordered.

Type A panel boards will be furnished with branch circuit strips and switch bases made of $\frac{1}{2}$ -inch by $\frac{1}{8}$ -inch copper, and switches made with contact and standard clips driven and sweated into base blocks at an advance of 30 per cent, if specifically ordered.

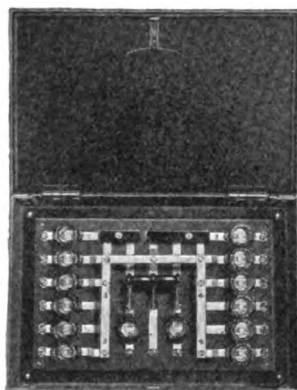
Marble frames, drilled for branches and slotted for mains, will be furnished at an advance of 100 per cent, if specifically ordered.

Slate frames will be furnished slotted for both main and branch wires at an advance of 50 per cent, if specifically ordered.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS RESIDENCE PANELS

For One and Two-family Houses

2-wire, Single Service Panel
in Cabinet3-wire, Single or Double Service Panel
in Cabinet

2-WIRE, SINGLE SERVICE PANELS							3-WIRE, SINGLE OR DOUBLE SERVICE PANELS						
Panel Only					Panel with Cabinet		Panel Only					Panel with Cabinet	
No. Cir.	Cat. No.	List Price	SIZE IN INCHES		LIST PRICE		No. Cir.	Cat. No.	List Price	SIZE IN INCHES		LIST PRICE	
			W.	H.	Surface	Flush				W.	H.	Surface	Flush
3	165975	\$5.20	9	10	\$8.60	\$11.80	6	165978	\$9.20	15½	10	\$13.20	\$17.20
4	165976	6.10	9	14	9.90	13.40	8	165979	10.90	15½	14	15.30	19.50
5	165977	7.00	9	16	11.20	15.00	10	165980	12.60	15½	16	17.40	21.80

The Crouse-Hinds Residence Panel Board equipment combines the main service switch, meter loop and circuit fuses in a single steel cabinet. The meter loop is provided with a sealing arrangement which prevents theft of current and makes it unnecessary to remove the meter with each change of occupancy.

The satisfactory results, in safety, efficiency and durability, obtained by the use of this type of installation, at only a slight, if any, additional cost, should receive favorable consideration.

The base consists of the highest grade of black Monson slate, free from flaws or metallic veins. All current carrying parts are made of the best grade of hard drawn copper of 98 per cent conductivity.

Cabinets are provided with knock-outs, opposite wire terminals on panels, which can be used for either bushings or conduit. Doors are hinged at top, so as to close by gravity, and are held shut by a snap catch.

Boxes are formed from one piece of No. 14 U. S. gauge steel, overlapped and riveted at the corners. They are made to allow a 1-inch space between the sides of panel and box, and are provided with all necessary knock-outs, which can be used for conduit or bushings.

Trims are made from one piece of No. 14 U. S. gauge steel. Doors for surface boxes are flanged on all four edges to overlap the box, and have the hinges welded to both door and box. Trims for flush boxes have mats 2½ inches wide and door openings of the same size as panel. Doors for flush cabinets have a strip welded around the edges to overlap the mat, and hinges that are welded to both door and mat. Mats are fastened to boxes by screws that thread into flanges on the boxes.

Cabinets are regularly furnished as illustrated above, with knock-outs opposite terminals on panels. If it is desired to mount panel in any other position and the necessary information is given on the order, the cabinet will be furnished with the hinging of door and the knock-outs arranged accordingly, all without extra charge.

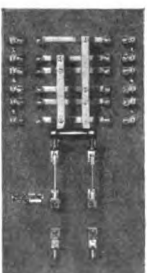
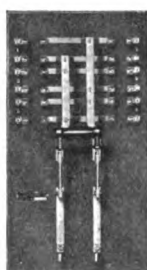
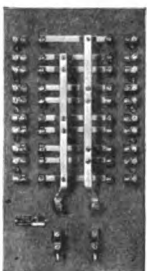
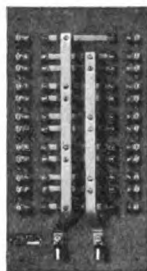
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE A PANELS

2 TO 2-WIRE, 125 VOLTS

Mains—2-wire. Branches—Double, Arranged for N.E.C. Cartridge Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.



Panel Only									SLATE FRAME		Panel with Cabinet*			
No.	Cat.	List	SIZE IN IN.			Cap.	Box	Mains	Ref.	List	Type	Type	Types	Type
Cir.	No.	Price	W.	H.	D.						AK	AL	BM-BN	BT
MAIN LUGS														
2	150001	\$4.10	11½	8	4	30	C 8		\$3.00	\$12.10	\$15.80	\$20.10	\$24.60	
4	150002	6.30	11½	12	4	30	C12		3.40	15.00	19.00	23.80	28.60	
6	150003	8.40	11½	14	4	60	C14		3.60	17.50	21.70	26.70	31.60	
8	150004	10.30	11½	16	4	60	C16		3.80	19.80	24.00	29.30	34.30	
10	150005	12.30	11½	18	4	60	C18		4.00	22.20	26.50	32.10	37.10	
12	150006	14.90	11½	22	4	100	C22		4.40	25.50	30.00	36.30	41.30	
14	150007	17.20	11½	24	4	100	C24		4.60	28.30	32.90	39.30	44.40	
16	150008	19.50	11½	28	4	100	C28		5.00	31.50	36.30	43.10	48.30	
18	150009	22.90	11½	30	4	200	C30		5.20	35.20	40.20	47.30	52.60	
20	150010	25.00	11½	32	4	200	C32		5.30	37.80	42.90	49.90	55.30	
22	150011	27.10	11½	34	4	200	C34		5.50	40.30	45.50	52.70	58.20	
24	150012	29.50	11½	38	4	200	C38		5.90	43.70	49.10	56.70	62.10	
26	150013	31.70	11½	40	4	200	C40		6.10	48.80	54.20	62.40	68.20	
28	150014	33.80	11½	42	4	200	C42		6.20	51.60	57.10	65.10	70.90	
30	150015	35.80	11½	44	4	200	C44		6.40	54.30	59.80	68.00	73.70	
32	150016	38.10	11½	48	4	200	C48		6.80	57.80	63.40	72.10	77.90	
FUSIBLE MAINS														
2	150081	5.60	11½	10	4	30	C10		3.20	13.90	17.80	22.30	27.00	
4	150082	7.80	11½	14	4	30	C14		3.60	16.90	21.10	26.10	31.00	
6	150083	10.20	11½	18	4	60	C18		4.00	20.10	24.40	30.00	35.00	
8	150084	12.10	11½	20	4	60	C20		4.20	22.40	26.80	32.60	37.60	
10	150085	14.10	11½	22	4	60	C22		4.40	24.70	29.20	35.50	40.50	
12	150086	17.60	11½	28	4	100	C28		5.00	29.60	34.40	41.20	46.40	
14	150087	19.90	11½	30	4	100	C30		5.20	32.20	37.20	44.30	49.60	
16	150088	22.20	11½	34	4	100	C34		5.50	35.40	40.60	47.80	53.30	
18	150089	27.20	11½	38	4	200	C38		5.90	41.40	46.80	54.40	59.80	
20	150090	29.30	11½	40	4	200	C40		6.10	46.40	51.80	60.00	65.80	
22	150091	31.40	11½	42	4	200	C42		6.20	49.20	54.70	62.70	68.80	
24	150092	33.80	11½	44	4	200	C44		6.40	52.30	57.80	66.00	72.20	
26	150093	36.00	11½	48	4	200	C48		6.80	55.70	61.30	70.00	76.80	
28	150094	38.10	11½	50	4	200	C50		7.00	58.40	64.00	72.90	79.10	
30	150095	40.10	11½	52	4	200	C52		7.20	61.00	66.60	75.80	82.00	
32	150096	42.40	11½	54	4	200	C54		7.40	63.90	69.60	78.90	85.00	
FUSELESS MAIN SWITCH														
2	150161	8.40	11½	14	4	30	C14		3.60	17.50	21.70	26.70	31.60	
4	150162	10.60	11½	18	4	30	C18		4.00	20.50	24.80	30.40	35.40	
6	150163	13.60	11½	22	4	60	C22		4.40	24.20	28.70	35.00	40.00	
8	150164	15.50	11½	24	4	60	C24		4.60	26.60	31.20	37.60	42.70	
10	150165	17.50	11½	26	4	60	C26		4.80	29.00	33.70	40.40	45.60	
12	150166	22.90	11½	32	4	100	C32		5.30	35.70	40.80	47.80	53.20	
14	150167	25.20	11½	34	4	100	C34		5.50	38.40	43.60	50.80	56.30	
16	150168	27.50	11½	36	4	100	C36		5.70	41.20	46.50	54.00	59.40	
18	150169	34.10	11½	40	6	200	C40		7.80	52.70	58.10	68.10	73.90	
20	150170	36.20	11½	44	6	200	C44		8.30	56.20	61.70	72.00	77.10	
22	150171	38.30	11½	46	6	200	C46		8.60	58.90	64.40	75.00	79.50	
24	150172	40.70	11½	48	6	200	C48		8.80	61.90	67.50	78.30	82.10	
26	150173	42.90	11½	50	6	200	C50		9.10	64.70	70.30	81.40	85.60	
28	150174	45.00	11½	54	6	200	C54		9.60	68.10	73.80	85.40	90.40	
30	150175	47.00	11½	56	6	200	C56		9.80	70.70	76.40	88.30	93.60	
32	150176	49.30	11½	58	6	200	C58		10.10	73.50	79.20	91.60	97.40	
FUSIBLE MAIN SWITCH														
2	150241	9.80	11½	14	4	30	C14		3.60	18.90	23.10	28.10	33.00	
4	150242	12.00	11½	18	4	30	C18		4.00	21.90	26.20	31.80	36.80	
6	150243	15.00	11½	22	4	60	C22		4.40	25.60	30.10	36.40	41.40	
8	150244	16.90	11½	24	4	60	C24		4.60	28.00	32.60	39.00	44.10	
10	150245	18.90	11½	26	4	60	C26		4.80	30.40	35.10	41.80	47.00	
12	150246	26.10	11½	34	4	100	C34		5.50	39.30	44.50	51.70	57.20	
14	150247	28.40	11½	36	4	100	C36		5.70	42.10	47.40	54.90	60.30	
16	150248	30.70	11½	40	4	100	C40		6.10	47.80	53.20	61.40	66.20	
18	150249	38.60	11½	44	6	200	C44		8.30	58.60	64.10	74.40	77.50	
20	150250	40.70	11½	46	6	200	C46		8.60	61.30	66.80	77.40	80.90	
22	150251	42.80	11½	50	6	200	C50		9.10	64.60	70.20	81.30	85.50	
24	150252	45.20	11½	52	6	200	C52		9.30	67.70	73.30	84.70	89.30	
26	150253	47.40	11½	54	6	200	C54		9.60	70.50	76.20	87.80	92.90	
28	150254	49.50	11½	56	6	200	C56		9.80	73.20	78.90	90.80	96.10	
30	150255	51.50	11½	60	6	200	C60		10.30	76.20	81.90	94.60	100.80	
32	150256	53.80	11½	62	6	200	C62		10.60	79.20	84.90	98.00	104.60	

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for single-branch panels, 125 or 250 volts, and for double-branch panels, 250 volts, also for through-feed panels, will be quoted upon request. Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE A PANELS

3 TO 2-WIRE, 125 VOLTS

Mains—3-Wire. Branches—Double, Arranged for N.E.C. Cartridge Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.

Panel Only								SLATE FRAME	Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap. Mains	Box Ref.		Type AK	Type AL	Types BM-BN	Type BT
MAIN LUGS												
2	150641	\$ 4.80	13½	8	4	30	D 8	\$3.10	\$13.10	\$16.90	\$21.50	\$25.90
4	150642	7.10	13½	12	4	30	D12	3.50	16.30	20.30	25.40	30.00
6	150643	9.10	13½	14	4	30	D14	3.70	18.70	22.80	28.10	32.80
8	150644	11.10	13½	16	4	30	D16	3.90	21.10	25.30	30.80	35.60
10	150645	13.50	13½	18	4	30	D18	4.10	24.00	28.30	33.90	38.80
12	150646	16.30	13½	22	4	60	D22	4.50	27.60	32.10	38.20	43.20
14	150647	18.40	13½	24	4	60	D24	4.70	30.20	34.80	41.10	46.20
16	150648	20.60	13½	26	4	60	D26	4.90	32.90	37.60	44.10	49.40
18	150649	22.70	13½	28	4	60	D28	5.10	35.50	40.30	47.00	52.40
20	150650	25.10	13½	32	4	60	D32	5.40	38.90	44.00	51.00	56.50
22	150651	28.60	13½	34	4	100	D34	5.60	42.90	48.10	55.30	60.80
24	150652	31.00	13½	38	4	100	D38	6.00	46.30	51.70	59.30	64.70
26	150653	33.30	13½	40	4	100	D40	6.20	51.60	56.90	64.90	67.90
28	150654	35.50	13½	42	4	100	D42	6.30	54.50	59.90	67.70	71.00
30	150655	37.70	13½	44	4	100	D44	6.50	57.30	62.70	71.00	74.40
32	150656	40.10	13½	48	4	100	D48	6.90	60.90	66.40	75.10	79.20
FUSIBLE MAINS												
2	150721	7.10	13½	10	4	30	D10	3.30	15.80	19.70	24.60	29.10
4	150722	9.40	13½	14	4	30	D14	3.70	19.00	23.10	28.40	33.10
6	150723	11.40	13½	16	4	30	D16	3.90	21.40	25.60	31.10	35.90
8	150724	13.40	13½	18	4	30	D18	4.10	23.90	28.20	33.80	38.70
10	150725	15.80	13½	22	4	30	D22	4.50	27.10	31.60	37.70	42.70
12	150726	19.00	13½	24	4	60	D24	4.70	30.80	35.40	41.70	46.80
14	150727	21.10	13½	28	4	60	D28	5.10	33.90	38.70	45.40	50.80
16	150728	23.30	13½	30	4	60	D30	5.30	36.60	41.50	48.50	53.90
18	150729	25.40	13½	32	4	60	D32	5.40	39.20	44.30	51.30	56.80
20	150730	27.80	13½	34	4	60	D34	5.60	42.10	47.30	54.50	60.00
22	150731	32.70	13½	40	4	100	D40	6.20	51.00	56.30	64.30	67.30
24	150732	35.10	13½	44	4	100	D44	6.50	54.70	60.10	68.40	71.80
26	150733	37.40	13½	46	4	100	D46	6.70	57.60	63.10	71.50	75.30
28	150734	39.60	13½	48	4	100	D48	6.90	60.40	65.90	74.60	78.70
30	150735	41.80	13½	50	4	100	D50	7.10	63.20	68.70	77.60	82.10
32	150736	44.20	13½	54	4	100	D54	7.50	66.80	72.40	81.80	86.90
FUSELESS MAIN SWITCH												
2	150801	11.30	13½	14	4	30	D14	3.70	20.90	25.00	30.30	35.00
4	150802	13.60	13½	18	4	30	D18	4.10	24.10	28.40	34.00	38.90
6	150803	15.60	13½	20	4	30	D20	4.30	26.50	30.90	36.80	41.80
8	150804	17.60	13½	22	4	30	D22	4.50	28.90	33.40	39.50	44.50
10	150805	20.00	13½	24	4	30	D24	4.70	31.80	36.40	42.70	47.80
12	150806	24.10	13½	30	4	60	D30	5.30	37.40	42.30	49.30	54.70
14	150807	26.20	13½	32	4	60	D32	5.40	40.00	45.10	52.10	57.60
16	150808	28.40	13½	34	4	60	D34	5.60	42.70	47.90	55.10	60.60
18	150809	30.50	13½	36	4	60	D36	5.80	45.30	50.60	57.90	63.40
20	150810	32.90	13½	40	4	60	D40	6.20	51.20	56.50	64.50	67.50
22	150811	40.60	13½	44	4	100	D44	6.50	60.20	65.60	73.90	77.30
24	150812	43.00	13½	46	4	100	D46	6.70	63.20	68.70	77.10	80.90
26	150813	45.30	13½	48	4	100	D48	6.90	66.10	71.60	80.30	84.40
28	150814	47.50	13½	52	4	100	D52	7.30	69.50	75.10	84.20	89.10
30	150815	49.70	13½	54	4	100	D54	7.50	72.30	77.90	87.30	92.40
32	150816	52.10	13½	56	4	100	D56	7.70	75.40	81.10	90.70	96.20
FUSIBLE MAIN SWITCH												
2	150881	13.40	13½	14	4	30	D14	3.70	23.00	27.10	32.40	37.10
4	150882	15.70	13½	18	4	30	D18	4.10	26.20	30.50	36.10	41.00
6	150883	17.70	13½	20	4	30	D20	4.30	28.60	33.00	38.90	43.90
8	150884	19.70	13½	22	4	30	D22	4.50	31.00	35.50	41.60	46.00
10	150885	22.10	13½	24	4	30	D24	4.70	33.90	38.50	44.80	49.90
12	150886	26.20	13½	30	4	60	D30	5.30	39.50	44.40	51.40	56.80
14	150887	28.30	13½	32	4	60	D32	5.40	42.10	47.20	54.20	59.70
16	150888	30.50	13½	34	4	60	D34	5.60	44.80	50.00	57.20	62.70
18	150889	32.60	13½	36	4	60	D36	5.80	47.40	52.70	60.00	65.50
20	150890	35.00	13½	40	4	60	D40	6.20	53.30	58.60	66.60	69.60
22	150891	45.40	13½	46	4	100	D46	6.70	65.60	71.10	79.50	83.30
24	150892	47.80	13½	50	4	100	D50	7.10	69.20	74.70	83.60	88.10
26	150893	50.10	13½	52	4	100	D52	7.30	72.10	77.70	86.80	91.70
28	150894	52.30	13½	54	4	100	D54	7.50	74.90	80.50	89.90	95.00
30	150895	54.50	13½	56	4	100	D56	7.70	77.80	83.50	93.10	98.60
32	150896	56.90	13½	60	4	100	D60	8.10	81.40	87.20	97.30	103.70

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for single-branch panels, 125 or 250 volts, and for double-branch panels, 250 volts, also for through-feed panels, will be quoted upon request. Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE A PANELS

2 TO 2-WIRE, 125 VOLTS

Mains—2-wire. Branches—Double, with 30-amp. Knife Switches, Arranged for N.E.C. Cartridge Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.

Panels furnished with main connections at top, if so ordered, without extra charge.

Panel Only

No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap. Mains	Box Ref.
			W.	H.	D.		

MAIN LUGS

No. Cir.	Cat. No.	List Price	W.	H.	D.	Cap. Mains	Box Ref.	SLATE FRAME List	Panel with Cabinet*			
									Type AK	Type AL	Types BM-BN	Type BT
2	150321	\$5.40	15½	8	4	30	E 8	\$3.30	\$14.10	\$18.00	\$22.90	\$27.20
4	150322	8.40	15½	12	4	30	E12	3.70	18.00	22.00	27.40	31.90
6	150323	11.40	15½	14	4	60	E14	3.90	21.50	25.60	31.10	35.80
8	150324	14.40	15½	16	4	60	E16	4.10	24.90	29.00	34.80	39.60
10	150325	17.30	15½	18	4	60	E18	4.30	28.30	32.50	38.50	43.40
12	150326	20.80	15½	22	4	100	E22	4.70	32.90	37.20	43.50	48.60
14	150327	24.20	15½	24	4	100	E24	4.90	36.70	41.10	47.70	53.00
16	150328	27.50	15½	28	4	100	E28	5.20	41.00	45.70	52.60	58.00
18	150329	31.90	15½	30	4	200	E30	5.40	45.90	50.70	57.80	63.30
20	150330	35.00	15½	32	4	200	E32	5.60	49.60	54.50	61.80	67.30
22	150331	38.00	15½	34	4	200	E34	5.80	53.20	58.20	65.70	71.20
24	150332	41.40	15½	38	4	200	E38	6.10	57.60	62.90	70.70	76.10
26	150333	44.50	15½	40	4	200	E40	6.30	63.80	69.10	77.00	82.20
28	150334	47.60	15½	42	4	200	E42	6.50	67.50	72.80	81.00	86.50
30	150335	50.50	15½	44	4	200	E44	6.70	71.00	76.50	84.90	88.70
32	150336	53.80	15½	48	4	200	E48	7.10	75.40	81.20	90.20	94.60

FUSIBLE MAINS

2	150401	6.90	15½	10	4	30	E10	3.50	16.10	20.00	25.20	29.60
4	150402	9.90	15½	14	4	30	E14	3.90	20.00	24.10	29.60	34.30
6	150403	13.20	15½	18	4	60	E18	4.30	24.20	28.40	34.40	39.30
8	150404	16.20	15½	20	4	60	E20	4.50	27.70	32.00	38.20	43.20
10	150405	19.10	15½	22	4	60	E22	4.70	31.20	35.50	42.00	47.10
12	150406	23.50	15½	28	4	100	E28	5.20	37.00	41.70	48.60	54.00
14	150407	26.90	15½	30	4	100	E30	5.40	40.90	45.70	52.80	58.30
16	150408	30.20	15½	34	4	100	E34	5.80	45.40	50.40	57.90	63.40
18	150409	36.20	15½	38	4	200	E38	6.10	52.40	57.70	65.50	70.90
20	150410	39.30	15½	40	4	200	E40	6.30	58.60	63.90	71.80	77.00
22	150411	42.30	15½	42	4	200	E42	6.50	62.20	67.50	75.70	79.20
24	150412	45.70	15½	44	4	200	E44	6.70	66.20	71.70	80.10	83.90
26	150413	48.80	15½	48	4	200	E48	7.10	70.40	76.20	85.20	89.60
28	150414	51.90	15½	50	4	200	E50	7.30	74.20	80.10	89.20	93.90
30	150415	54.80	15½	52	4	200	E52	7.50	77.70	83.60	93.10	98.10
32	150416	58.10	15½	54	4	200	E54	7.70	81.60	87.50	97.40	102.80

FUSELESS MAIN SWITCH

2	150481	9.70	15½	14	4	30	E14	3.90	19.80	23.90	29.40	34.10
4	150482	12.70	15½	18	4	30	E18	4.30	23.70	27.90	33.90	38.60
6	150483	16.60	15½	22	4	60	E22	4.70	28.70	33.00	39.30	44.40
8	150484	19.60	15½	24	4	60	E24	4.90	32.10	36.50	43.10	48.40
10	150485	22.50	15½	26	4	60	E26	5.10	35.50	40.00	46.80	52.20
12	150486	28.80	15½	32	4	100	E32	5.60	43.40	48.30	55.60	61.10
14	150487	32.20	15½	34	4	100	E34	5.80	47.40	52.40	59.90	65.40
16	150488	35.50	15½	36	4	100	E36	6.00	51.20	56.30	64.10	69.50
18	150489	43.10	15½	40	6	200	E40	8.20	64.00	69.30	79.20	82.40
20	150490	46.20	15½	44	6	200	E44	8.80	68.30	73.80	84.40	88.20
22	150491	49.20	15½	46	6	200	E46	9.00	71.90	77.50	88.40	92.50
24	150492	52.60	15½	48	6	200	E48	9.30	75.80	81.60	92.90	97.30
26	150493	55.70	15½	50	6	200	E50	9.60	79.60	85.50	97.00	101.70
28	150494	58.80	15½	54	6	200	E54	10.10	84.00	89.90	102.30	107.70
30	150495	61.70	15½	56	6	200	E56	10.40	87.60	93.60	106.30	112.00
32	150496	65.00	15½	58	6	200	E58	10.70	91.50	97.60	110.50	116.60

FUSIBLE MAIN SWITCH

2	150561	11.10	15½	14	4	30	E14	3.90	21.20	25.30	30.80	35.50
4	150562	14.10	15½	18	4	30	E18	4.30	25.10	29.30	35.30	40.20
6	150563	18.00	15½	22	4	60	E22	4.70	30.10	34.40	40.70	45.80
8	150564	21.00	15½	24	4	60	E24	4.90	33.50	37.90	44.50	49.80
10	150565	23.90	15½	26	4	60	E26	5.10	36.90	41.40	48.20	53.60
12	150566	32.00	15½	34	4	100	E34	5.80	47.20	52.20	59.70	65.20
14	150567	35.40	15½	36	4	100	E36	6.00	51.10	56.20	64.00	69.40
16	150568	38.70	15½	40	4	100	E40	6.30	58.00	63.30	71.20	76.40
18	150569	47.60	15½	44	6	200	E44	8.80	69.70	75.20	85.80	89.60
20	150570	50.70	15½	46	6	200	E46	9.00	73.40	79.00	89.90	94.00
22	150571	53.70	15½	50	6	200	E50	9.60	77.60	83.50	95.00	99.70
24	150572	57.10	15½	52	6	200	E52	9.80	81.70	87.60	99.50	104.50
26	150573	60.20	15½	54	6	200	E54	10.10	85.40	91.30	103.70	109.10
28	150574	63.30	15½	56	6	200	E56	10.40	89.20	95.20	107.90	113.60
30	150575	66.20	15½	60	6	200	E60	10.90	93.30	99.50	112.70	119.10
32	150576	69.50	15½	62	6	200	E62	11.20	97.30	103.50	117.30	124.20

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Prices for single-branch panels, 125 or 250 volts, and for double-branch panels, 250 volts, also for through-feed panels, will be quoted upon request. Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

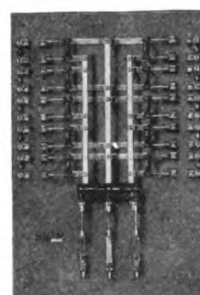
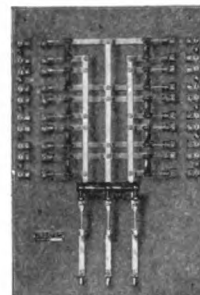
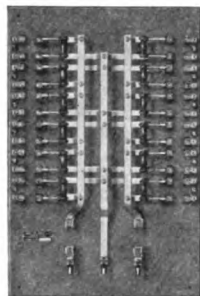
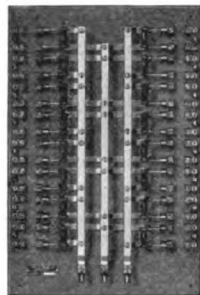
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE A PANELS

3 TO 2-WIRE, 125 VOLTS

Mains—3-wire. Branches—Double, with 30-amp. Knife Switches, Arranged for N.E.C. Cartridge Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.



Panel Only								SLATE FRAME	Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap Mains	Box Ref.	List	Type AK	Type AL	Types BM-BN	Type BT
			W.	H.	D.							
MAIN LUGS												
2	150961	\$6.00	17½	8	4	30	F 8	\$3.50	\$15.10	\$19.00	\$24.30	\$28.60
4	150962	9.30	17½	12	4	30	F12	3.90	19.50	23.60	29.20	33.60
6	150963	12.30	17½	14	4	30	F14	4.10	23.00	27.20	33.10	37.50
8	150964	15.30	17½	16	4	30	F16	4.30	26.60	30.90	36.80	41.30
10	150965	18.40	17½	18	4	30	F18	4.50	30.20	34.60	40.80	45.30
12	150966	22.10	17½	22	4	60	F22	4.90	34.90	39.50	46.10	50.70
14	150967	25.30	17½	24	4	60	F24	5.10	38.60	43.20	50.10	54.80
16	150968	28.30	17½	26	4	60	F26	5.20	42.10	46.90	53.80	58.60
18	150969	31.40	17½	28	4	60	F28	5.40	45.70	50.50	57.80	62.60
20	150970	34.80	17½	32	4	60	F32	5.80	50.30	55.20	62.90	67.80
22	150971	39.20	17½	34	4	100	F34	6.00	55.20	60.20	68.10	73.10
24	150972	42.70	17½	38	4	100	F38	6.30	59.90	65.10	73.10	78.20
26	150973	45.90	17½	40	4	100	F40	6.50	65.90	71.40	79.70	82.80
28	150974	49.10	17½	42	4	100	F42	6.70	69.90	75.30	83.90	87.30
30	150975	52.20	17½	44	4	100	F44	6.90	73.60	79.10	88.00	91.80
32	150976	55.70	17½	48	4	100	F48	7.30	78.50	84.10	93.50	98.00
FUSIBLE MAINS												
2	151041	8.30	17½	10	4	30	F10	3.70	18.00	22.00	27.40	31.80
4	151042	11.60	17½	14	4	30	F14	4.10	22.30	26.50	32.40	36.80
6	151043	14.60	17½	16	4	30	F16	4.30	25.90	30.20	36.10	40.60
8	151044	17.60	17½	18	4	30	F18	4.50	29.40	33.80	40.00	44.50
10	151045	20.70	17½	22	4	30	F22	4.90	33.50	38.10	44.70	49.30
12	151046	24.80	17½	24	4	60	F24	5.10	38.10	42.70	49.60	54.30
14	151047	28.00	17½	28	4	60	F28	5.40	42.30	47.10	54.40	59.20
16	151048	31.00	17½	30	4	60	F30	5.60	45.90	50.80	58.20	63.10
18	151049	34.10	17½	32	4	60	F32	5.80	49.60	54.50	62.20	67.10
20	151050	37.50	17½	34	4	60	F34	6.00	53.50	58.50	66.40	71.40
22	151051	43.30	17½	40	4	100	F40	6.50	63.30	68.80	77.10	80.20
24	151052	46.80	17½	44	4	100	F44	6.90	68.20	73.70	82.60	86.40
26	151053	50.00	17½	46	4	100	F46	7.10	72.20	77.70	86.80	90.90
28	151054	53.20	17½	48	4	100	F48	7.30	76.00	81.60	91.00	95.50
30	151055	56.30	17½	50	4	100	F50	7.50	79.90	85.50	95.10	99.90
32	151056	59.80	17½	54	4	100	F54	7.90	84.80	90.50	100.80	106.10
FUSELESS MAIN SWITCH												
2	151121	12.50	17½	14	4	30	F14	4.10	23.20	27.40	33.30	37.70
4	151122	15.80	17½	18	4	30	F18	4.50	27.60	32.00	38.20	42.70
6	151123	18.80	17½	20	4	30	F20	4.70	31.10	35.60	42.10	46.60
8	151124	21.80	17½	22	4	30	F22	4.90	34.60	39.20	45.80	50.40
10	151125	24.90	17½	24	4	30	F24	5.10	38.20	42.80	49.70	54.40
12	151126	29.90	17½	30	4	60	F30	5.60	44.80	49.70	57.10	62.00
14	151127	33.10	17½	32	4	60	F32	5.80	48.60	53.50	61.20	66.10
16	151128	36.10	17½	34	4	60	F34	6.00	52.10	57.10	65.00	70.00
18	151129	39.20	17½	36	4	60	F36	6.10	55.90	61.00	68.80	73.90
20	151130	42.60	17½	40	4	60	F40	6.50	62.60	68.10	76.40	79.50
22	151131	51.20	17½	44	4	100	F44	6.90	72.60	78.10	87.00	90.80
24	151132	54.70	17½	46	4	100	F46	7.10	76.90	82.40	91.50	95.60
26	151133	57.90	17½	48	4	100	F48	7.30	80.70	86.30	95.70	100.20
28	151134	61.10	17½	52	4	100	F52	7.70	85.30	91.00	101.00	106.10
30	151135	64.20	17½	54	4	100	F54	7.90	89.20	94.90	105.20	110.50
32	151136	67.70	17½	56	4	100	F56	8.10	93.40	99.10	109.80	115.40
FUSIBLE MAIN SWITCH												
2	151201	14.60	17½	14	4	30	F14	4.10	25.30	29.50	35.40	39.80
4	151202	17.90	17½	18	4	30	F18	4.50	29.70	34.10	40.30	44.80
6	151203	20.90	17½	20	4	30	F20	4.70	33.20	37.70	44.20	48.70
8	151204	23.90	17½	22	4	30	F22	4.90	36.70	41.30	47.90	52.50
10	151205	27.00	17½	24	4	30	F24	5.10	40.30	44.90	51.80	56.50
12	151206	32.00	17½	30	4	60	F30	5.60	46.90	51.80	59.20	64.10
14	151207	35.20	17½	32	4	60	F32	5.80	50.70	55.60	63.30	68.20
16	151208	38.20	17½	34	4	60	F34	6.00	54.20	59.20	67.10	72.10
18	151209	41.30	17½	36	4	60	F36	6.10	58.00	63.10	70.90	76.00
20	151210	44.70	17½	40	4	60	F40	6.50	64.70	70.20	78.50	81.60
22	151211	56.00	17½	46	4	100	F46	7.10	78.20	83.70	92.80	96.90
24	151212	59.50	17½	50	4	100	F50	7.50	83.10	88.70	98.30	103.10
26	151213	62.70	17½	52	4	100	F52	7.70	86.90	92.60	102.60	107.70
28	151214	65.90	17½	54	4	100	F54	7.90	90.90	96.60	106.90	112.20
30	151215	69.00	17½	56	4	100	F56	8.10	94.70	100.40	111.10	116.70
32	151216	72.50	17½	60	4	100	F60	8.50	99.60	105.40	116.70	122.90

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for single-branch panels, 125 or 250 volts, and for double-branch panels, 250 volts, also for through-feed panels, will be quoted upon request. Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE F PANELS

2 TO 2-WIRE, 125 VOLTS

Mains—2-wire. Branches—Double, with 10-amp. Rotary Snap Switches, for N.E.C. Cartridge Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.

Panel Only								SLATE FRAME	Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap. Mains	Box Ref.		Type AK	Type AL	Types BM-BN	Type BT
MAIN LUGS												
2	151921	\$6.90	15½	8	4	30	E 8	\$3.30	\$15.60	\$19.50	\$24.40	\$28.70
4	151922	11.60	15½	12	4	30	E12	3.70	21.00	25.00	30.40	34.90
6	151923	16.10	15½	14	4	60	E14	3.90	26.20	30.30	35.80	40.50
8	151924	20.60	15½	16	4	60	E16	4.10	31.10	35.20	41.00	45.80
10	151925	25.40	15½	18	4	60	E18	4.30	36.40	40.60	46.60	51.50
12	151926	30.30	15½	22	4	100	E22	4.70	42.40	46.70	53.00	58.10
14	151927	35.40	15½	24	4	100	E24	4.90	47.90	52.30	58.90	64.20
16	151928	40.00	15½	28	4	100	E28	5.20	53.50	58.20	65.10	70.50
18	151929	46.00	15½	30	4	200	E30	5.40	60.00	64.80	71.90	77.40
20	151930	50.90	15½	32	4	200	E32	5.60	65.50	70.40	77.70	83.20
22	151931	55.60	15½	34	4	200	E34	5.80	70.80	75.80	83.30	88.80
24	151932	60.20	15½	38	4	200	E38	6.10	76.40	81.70	89.50	94.90
26	151933	64.90	15½	40	4	200	E40	6.30	84.20	89.50	97.40	100.60
28	151934	69.80	15½	42	4	200	E42	6.50	89.70	95.00	103.20	106.70
30	151935	74.30	15½	44	4	200	E44	6.70	94.80	100.30	108.70	112.50
32	151936	78.90	15½	48	4	200	E48	7.10	100.50	106.30	115.30	119.70
FUSIBLE MAINS												
2	152001	8.40	15½	10	4	30	E10	3.50	17.60	21.50	26.70	31.10
4	152002	12.90	15½	14	4	30	E14	3.90	23.00	27.10	32.60	37.30
6	152003	17.90	15½	18	4	60	E18	4.30	28.90	33.10	39.10	44.00
8	152004	22.30	15½	20	4	60	E20	4.50	33.80	38.10	44.30	49.30
10	152005	27.20	15½	22	4	60	E22	4.70	39.30	43.60	49.90	55.00
12	152006	33.00	15½	28	4	100	E28	5.20	46.50	51.20	58.10	63.50
14	152007	38.10	15½	30	4	100	E30	5.40	52.10	56.90	64.00	69.50
16	152008	42.70	15½	34	4	100	E34	5.80	57.90	62.90	70.40	75.90
18	152009	50.30	15½	38	4	200	E38	6.10	66.50	71.80	79.60	85.00
20	152010	55.20	15½	40	4	200	E40	6.30	74.50	79.80	87.70	90.90
22	152011	59.90	15½	42	4	200	E42	6.50	79.80	85.10	93.30	96.80
24	152012	64.50	15½	44	4	200	E44	6.70	85.00	90.50	98.90	102.70
26	152013	69.20	15½	48	4	200	E48	7.10	90.80	96.60	105.60	110.00
28	152014	74.10	15½	50	4	200	E50	7.30	96.40	102.30	111.40	116.10
30	152015	78.60	15½	52	4	200	E52	7.50	101.50	107.40	116.90	121.90
32	152016	83.20	15½	54	4	200	E54	7.70	106.70	112.60	122.50	127.90
FUSELESS MAIN SWITCH												
2	152081	11.20	15½	14	4	30	E14	3.90	21.30	25.40	30.90	35.60
4	152082	15.70	15½	18	4	30	E18	4.30	26.70	30.90	36.90	41.80
6	152083	21.30	15½	22	4	60	E22	4.70	33.40	37.70	44.00	49.10
8	152084	25.70	15½	24	4	60	E24	4.90	38.20	42.60	49.20	54.50
10	152085	30.60	15½	26	4	60	E26	5.10	43.60	48.10	54.90	60.30
12	152086	38.30	15½	32	4	100	E32	5.60	52.90	57.80	65.10	70.60
14	152087	43.40	15½	34	4	100	E34	5.80	58.60	63.60	71.10	76.80
16	152088	48.00	15½	36	4	100	E36	6.00	63.70	68.80	76.60	82.00
18	152089	57.20	15½	40	6	200	E40	8.20	78.10	83.40	93.30	96.50
20	152090	62.10	15½	44	6	200	E44	8.80	84.20	89.70	100.30	104.10
22	152091	66.80	15½	46	6	200	E46	9.00	89.50	95.10	106.00	110.10
24	152092	71.40	15½	48	6	200	E48	9.30	94.60	100.40	111.70	116.10
26	152093	76.10	15½	50	6	200	E50	9.60	100.00	105.90	117.40	122.10
28	152094	81.00	15½	54	6	200	E54	10.10	106.20	112.10	124.40	129.90
30	152095	85.50	15½	56	6	200	E56	10.40	111.40	117.40	130.00	135.80
32	152096	90.10	15½	58	6	200	E58	10.70	116.60	122.70	135.50	141.70
FUSIBLE MAIN SWITCH												
2	152161	12.60	15½	14	4	30	E14	3.90	22.70	26.80	32.30	37.00
4	152162	17.10	15½	18	4	30	E18	4.30	28.10	32.30	38.30	43.20
6	152163	22.70	15½	22	4	60	E22	4.70	34.80	39.10	45.40	50.50
8	152164	27.10	15½	24	4	60	E24	4.90	39.60	44.00	50.60	55.90
10	152165	32.00	15½	26	4	60	E26	5.10	45.00	49.50	56.30	61.70
12	152166	41.50	15½	34	4	100	E34	5.80	56.70	61.70	69.20	74.70
14	152167	46.60	15½	36	4	100	E36	6.00	62.30	67.40	75.20	80.60
16	152168	51.20	15½	40	4	100	E40	6.30	70.50	75.80	83.70	86.90
18	152169	61.70	15½	44	6	200	E44	8.80	83.80	89.30	99.90	103.70
20	152170	66.60	15½	46	6	200	E46	9.00	89.30	94.90	105.80	109.90
22	152171	71.30	15½	50	6	200	E50	9.60	95.20	101.10	112.60	117.30
24	152172	75.90	15½	52	6	200	E52	9.80	100.50	106.40	118.30	123.30
26	152173	80.60	15½	54	6	200	E54	10.10	105.80	111.70	124.00	129.50
28	152174	85.50	15½	56	6	200	E56	10.40	111.40	117.40	130.00	135.80
30	152175	90.00	15½	60	6	200	E60	10.90	117.10	123.30	136.40	142.90
32	152176	94.60	15½	62	6	200	E62	11.20	122.40	128.60	142.40	149.30

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for single-branch panels, 125 or 250 volts, and for double-branch panels, 250 volts, also for through-feed panels, will be quoted upon request. Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE F PANELS

3 TO 2-WIRE, 125 VOLTS

Mains—3-wire. Branches—Double, with 10-amp. Rotary Snap Switches, Arranged for N.E.C. Cartridge Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.

Panel Only										SLATE FRAME List	Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap. Mains	Box Ref.	Type AK	Type AL		Types BM-BN	Type BT		
MAIN LUGS														
2	152241	\$7.50	17½	8	4	30	F 8	\$3.50	\$16.60	\$20.50	\$25.80	\$30.10		
4	152242	12.40	17½	12	4	30	F12	3.90	22.60	26.70	32.30	36.70		
6	152243	17.00	17½	14	4	30	F14	4.10	27.70	31.90	37.80	42.20		
8	152244	21.50	17½	16	4	30	F16	4.30	32.80	37.10	43.00	47.50		
10	152245	26.20	17½	18	4	30	F18	4.50	38.00	42.40	48.60	53.10		
12	152246	31.60	17½	22	4	60	F22	4.90	44.40	49.00	55.60	60.20		
14	152247	36.20	17½	24	4	60	F24	5.10	49.50	54.10	61.00	65.70		
16	152248	40.90	17½	26	4	60	F26	5.20	54.70	59.50	66.40	71.20		
18	152249	45.60	17½	28	4	60	F28	5.40	59.90	64.70	72.00	76.80		
20	152250	50.50	17½	32	4	60	F32	5.80	66.00	70.90	78.60	83.50		
22	152251	56.50	17½	34	4	100	F34	6.00	72.50	77.50	85.40	90.40		
24	152252	61.60	17½	38	4	100	F38	6.30	78.80	84.00	92.00	97.10		
26	152253	66.30	17½	40	4	100	F40	6.50	86.30	91.80	100.10	103.20		
28	152254	71.00	17½	42	4	100	F42	6.70	91.80	97.20	105.80	109.20		
30	152255	75.80	17½	44	4	100	F44	6.90	97.20	102.70	111.60	115.40		
32	152256	80.80	17½	48	4	100	F48	7.30	103.60	109.20	118.60	123.10		
FUSIBLE MAINS														
2	152321	9.80	17½	10	4	30	F10	3.70	19.50	23.50	28.90	33.30		
4	152322	14.70	17½	14	4	30	F14	4.10	25.40	29.60	35.50	39.90		
6	152323	19.30	17½	16	4	30	F16	4.30	30.60	34.90	40.80	45.30		
8	152324	23.80	17½	18	4	30	F18	4.50	35.60	40.00	46.20	50.70		
10	152325	28.50	17½	22	4	30	F22	4.90	41.30	45.90	52.50	57.10		
12	152326	34.30	17½	24	4	60	F24	5.10	47.60	52.20	59.10	63.80		
14	152327	38.90	17½	28	4	60	F28	5.40	53.20	58.00	65.30	70.10		
16	152328	43.60	17½	30	4	60	F30	5.60	58.50	63.40	70.80	75.70		
18	152329	48.30	17½	32	4	60	F32	5.80	63.80	68.70	76.40	81.30		
20	152330	53.20	17½	34	4	60	F34	6.00	69.20	74.20	82.10	87.10		
22	152331	60.60	17½	40	4	100	F40	6.50	80.60	86.10	94.40	97.50		
24	142332	65.70	17½	44	4	100	F44	6.90	87.10	92.60	101.50	105.30		
26	152333	70.40	17½	46	4	100	F46	7.10	92.60	98.10	107.20	111.30		
28	152334	75.10	17½	48	4	100	F48	7.30	97.90	103.50	112.90	117.40		
30	152335	79.90	17½	50	4	100	F50	7.50	103.50	109.10	118.70	123.50		
32	152336	84.90	17½	54	4	100	F54	7.90	109.90	115.60	125.90	131.20		
FUSELESS MAIN SWITCH														
2	152401	14.00	17½	14	4	30	F14	4.10	24.70	28.90	34.80	39.20		
4	152402	18.90	17½	18	4	30	F18	4.50	30.70	35.10	41.30	45.80		
6	152403	23.50	17½	20	4	30	F20	4.70	35.80	40.30	46.80	51.30		
8	152404	28.00	17½	22	4	30	F22	4.90	40.80	45.40	52.00	56.60		
10	152405	32.70	17½	24	4	30	F24	5.10	46.00	50.60	57.50	62.20		
12	152406	39.40	17½	30	4	60	F30	5.60	54.30	59.20	66.60	71.50		
14	152407	44.00	17½	32	4	60	F32	5.80	59.50	64.40	72.10	77.00		
16	152408	48.70	17½	34	4	60	F34	6.00	64.70	69.70	77.60	82.60		
18	152409	53.40	17½	36	4	60	F36	6.10	70.10	75.20	83.00	88.10		
20	152410	58.30	17½	40	4	60	F40	6.50	78.30	83.80	92.10	95.20		
22	152411	68.50	17½	44	4	100	F44	6.90	89.90	95.40	104.30	108.10		
24	152412	73.60	17½	46	4	100	F46	7.10	95.80	101.30	110.40	114.50		
26	152413	78.30	17½	48	4	100	F48	7.30	101.10	106.70	116.10	120.60		
28	152414	83.00	17½	52	4	100	F52	7.70	107.20	112.90	122.90	128.00		
30	152415	87.80	17½	54	4	100	F54	7.90	112.80	118.50	128.80	134.10		
32	152416	92.80	17½	56	4	100	F56	8.10	118.50	124.20	134.90	140.50		
FUSIBLE MAIN SWITCH														
2	152481	16.10	17½	14	4	30	F14	4.10	26.80	31.00	36.90	41.30		
4	152482	21.00	17½	18	4	30	F18	4.50	32.80	37.20	43.40	47.90		
6	152483	25.60	17½	20	4	30	F20	4.70	37.90	42.40	48.90	53.40		
8	152484	30.10	17½	22	4	30	F22	4.90	42.90	47.50	54.10	58.70		
10	152485	34.80	17½	24	4	30	F24	5.10	48.10	52.70	59.60	64.30		
12	152486	41.50	17½	30	4	60	F30	5.60	56.40	61.30	68.70	73.60		
14	152487	46.10	17½	32	4	60	F32	5.80	61.60	66.50	74.20	79.10		
16	152488	50.80	17½	34	4	60	F34	6.00	66.80	71.80	79.70	84.70		
18	152489	55.50	17½	36	4	60	F36	6.10	72.20	77.30	85.10	90.20		
20	152490	60.40	17½	40	4	60	F40	6.50	80.40	85.90	94.20	97.30		
22	152491	73.30	17½	46	4	100	F46	7.10	95.50	101.00	110.10	114.20		
24	152492	78.40	17½	50	4	100	F50	7.50	102.00	107.60	117.20	122.00		
26	152493	83.10	17½	52	4	100	F52	7.70	107.30	113.00	123.00	128.10		
28	152494	87.80	17½	54	4	100	F54	7.90	112.80	118.50	128.80	134.10		
30	152495	92.60	17½	56	4	100	F56	8.10	118.30	124.00	134.70	140.30		
32	152496	97.60	17½	60	4	100	F60	8.50	124.70	130.50	141.80	148.00		

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For description of cabinets listed above, see one of the following pages.

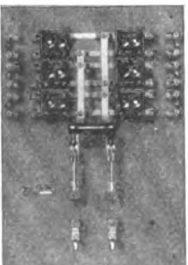
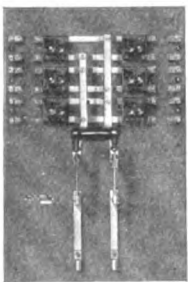
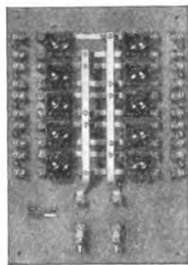
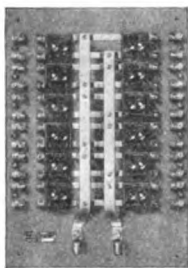
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE O PANELS

2 TO 2-WIRE, 125 VOLTS

Mains—2-wire. Branches—Double, with 10-amp. Push Button Switches, Arranged for N.E.C. Cartridge Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.



Panel Only								SLATE FRAME	Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap. Mains	Box Ref.		Type AK	Type AL	Types BM-BN	Type BT
MAIN LUGS												
2	165001	\$7.30	15½	8	4	30	E 8	\$3.30	\$16.00	\$19.90	\$24.80	\$29.10
4	165002	12.40	15½	12	4	30	E12	3.70	21.80	25.80	31.20	35.70
6	165003	17.30	15½	14	4	60	E14	3.90	27.40	31.50	37.00	41.70
8	165004	22.20	15½	16	4	60	E16	4.10	32.70	36.80	42.60	47.40
10	165005	27.40	15½	18	4	60	E18	4.30	38.40	42.60	48.60	53.50
12	165006	32.70	15½	22	4	100	E22	4.70	44.80	49.10	55.40	60.50
14	165007	38.20	15½	24	4	100	E24	4.90	50.70	55.10	61.70	67.00
16	165008	43.20	15½	28	4	100	E28	5.20	56.70	61.40	68.30	73.70
18	165009	49.60	15½	30	4	200	E30	5.40	63.60	68.40	75.50	81.00
20	165010	54.90	15½	32	4	200	E32	5.60	69.50	74.40	81.70	87.20
22	165011	60.00	15½	34	4	200	E34	5.80	75.20	80.20	87.70	93.20
24	165012	65.00	15½	38	4	200	E38	6.10	81.20	86.50	94.30	99.70
26	165013	70.10	15½	40	4	200	E40	6.30	89.40	94.70	102.60	105.80
28	165014	75.40	15½	42	4	200	E42	6.50	95.30	100.60	108.80	112.30
30	165015	80.30	15½	44	4	200	E44	6.70	100.80	106.30	114.70	118.50
32	165016	85.30	15½	48	4	200	E48	7.10	106.90	112.70	121.70	126.10
FUSIBLE MAINS												
2	165081	8.80	15½	10	4	30	E10	3.50	18.00	21.90	27.10	31.50
4	165082	13.70	15½	14	4	30	E14	3.90	23.80	27.90	33.40	38.10
6	165083	19.10	15½	18	4	60	E18	4.30	30.10	34.30	40.30	45.20
8	165084	23.90	15½	20	4	60	E20	4.50	35.40	39.70	45.90	50.90
10	165085	29.20	15½	22	4	60	E22	4.70	41.30	45.60	51.90	57.00
12	165086	35.40	15½	28	4	100	E28	5.20	48.90	53.60	60.50	65.00
14	165087	40.90	15½	30	4	100	E30	5.40	54.90	59.70	66.80	72.30
16	165088	45.90	15½	34	4	100	E34	5.80	61.10	66.10	73.60	79.10
18	165089	53.90	15½	38	4	200	E38	6.10	70.10	75.40	83.20	88.60
20	165090	59.20	15½	40	4	200	E40	6.30	78.50	83.80	91.70	94.90
22	165091	64.30	15½	42	4	200	E42	6.50	84.20	89.50	97.70	101.20
24	165092	69.30	15½	44	4	200	E44	6.70	89.80	95.30	103.70	107.50
26	165093	74.40	15½	48	4	200	E48	7.10	96.00	101.80	110.80	115.20
28	165094	79.70	15½	50	4	200	E50	7.30	102.00	107.90	117.00	121.70
30	165095	84.60	15½	52	4	200	E52	7.50	107.50	113.40	122.90	127.90
32	165096	89.60	15½	54	4	200	E54	7.70	113.10	119.00	128.90	134.30
FUSELESS MAIN SWITCH												
2	165161	11.60	15½	14	4	30	E14	3.90	22.70	25.80	31.30	36.00
4	165162	16.50	15½	18	4	30	E18	4.30	27.50	31.70	37.70	42.60
6	165163	22.50	15½	22	4	60	E22	4.70	34.60	38.90	45.20	50.30
8	165164	27.30	15½	24	4	60	E24	4.90	39.80	44.20	50.80	56.10
10	165165	32.60	15½	26	4	60	E26	5.10	45.60	50.10	56.90	62.30
12	165166	40.70	15½	32	4	100	E32	5.60	55.30	60.20	67.50	73.00
14	165167	46.20	15½	34	4	100	E34	5.80	61.40	66.40	73.90	79.40
16	165168	51.20	15½	36	4	100	E36	6.00	66.90	72.00	79.80	85.20
18	165169	60.80	15½	40	6	200	E40	8.20	81.70	87.00	96.90	100.10
20	165170	66.10	15½	44	6	200	E44	8.80	88.20	93.70	104.30	108.10
22	165171	71.20	15½	46	6	200	E46	9.00	93.90	99.50	110.40	114.50
24	165172	76.20	15½	48	6	200	E48	9.30	99.40	105.20	116.50	120.90
26	165173	81.50	15½	50	6	200	E50	9.60	105.20	111.10	122.60	127.30
28	165174	86.60	15½	54	6	200	E54	10.10	111.80	117.70	130.00	135.50
30	165175	91.50	15½	56	6	200	E56	10.40	117.40	123.40	136.00	141.80
32	165176	96.50	15½	58	6	200	E58	10.70	123.00	129.10	141.90	148.10
FUSIBLE MAIN SWITCH												
2	165241	13.00	15½	14	4	30	E14	3.90	23.10	27.20	32.70	37.40
4	165242	17.90	15½	18	4	30	E18	4.30	28.90	33.10	39.10	44.00
6	165243	23.90	15½	22	4	60	E22	4.70	36.00	40.30	46.60	51.70
8	165244	28.70	15½	24	4	60	E24	4.90	41.20	45.60	52.50	57.50
10	165245	34.00	15½	26	4	60	E26	5.10	47.00	51.50	58.30	63.70
12	165246	43.90	15½	34	4	100	E34	5.80	59.10	64.10	71.60	77.10
14	165247	49.40	15½	36	4	100	E36	6.00	65.10	70.20	78.00	83.40
16	165248	54.40	15½	40	4	100	E40	6.30	73.70	79.00	86.90	90.10
18	165249	65.30	15½	44	6	200	E44	8.80	87.40	92.90	103.50	107.30
20	165250	70.60	15½	46	6	200	E46	9.00	93.30	98.90	109.80	113.90
22	165251	75.70	15½	50	6	200	E50	9.60	99.60	105.50	117.00	121.70
24	165252	80.70	15½	52	6	200	E52	9.80	105.30	111.20	123.10	128.10
26	165253	85.80	15½	54	6	200	E54	10.10	111.00	116.90	129.20	134.70
28	165254	91.10	15½	56	6	200	E56	10.40	117.00	123.00	135.60	141.40
30	165255	96.00	15½	60	6	200	E60	10.90	123.10	129.30	142.40	148.90
32	165256	101.00	15½	62	6	200	E62	11.20	128.80	135.00	148.80	155.70

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for single-branch panels, 125 or 250 volts, and for double-branch panels, 250 volts, also for through-feed panels, will be quoted upon request. Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE O PANELS

3 TO 2-WIRE, 125 VOLTS

Mains—3-wire. Branches—Double, with 10-amp. Push Button Switches, Arranged for N.E.C. Cartridge Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.

Panel Only								SLATE FRAME List	Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap. Mains	Box Ref.		Type AK	Type AL	Types BM-BN	Type BT
MAIN LUGS												
2	165321	\$ 7.90	17½	8	4	30	F 8	\$3.50	\$17.00	\$20.90	\$26.20	\$30.50
4	165322	13.20	17½	12	4	30	F12	3.90	23.40	27.50	33.10	37.50
6	165323	18.20	17½	14	4	30	F14	4.10	28.90	33.10	39.00	43.40
8	165324	23.10	17½	16	4	30	F16	4.30	34.40	38.70	44.60	49.10
10	165325	28.20	17½	18	4	30	F18	4.50	40.00	44.40	50.60	55.10
12	165326	34.00	17½	22	4	60	F22	4.90	46.80	51.40	58.00	62.60
14	165327	39.00	17½	24	4	60	F24	5.10	52.30	56.90	63.80	68.50
16	165328	44.00	17½	26	4	60	F26	5.20	57.90	62.70	69.60	74.40
18	165329	49.20	17½	28	4	60	F28	5.40	63.50	68.30	75.60	80.40
20	165330	54.50	17½	32	4	60	F32	5.80	70.00	74.90	82.60	87.50
22	165331	60.90	17½	34	4	100	F34	6.00	76.90	81.90	89.80	94.80
24	165332	66.40	17½	38	4	100	F38	6.30	83.60	88.80	96.80	101.90
26	165333	71.50	17½	40	4	100	F40	6.50	91.50	97.00	105.30	108.40
28	165334	76.60	17½	42	4	100	F42	6.70	97.40	102.80	111.40	114.80
30	165335	81.80	17½	44	4	100	F44	6.90	103.20	108.70	117.60	121.40
32	165336	87.20	17½	48	4	100	F48	7.30	110.00	115.60	125.00	129.50
FUSIBLE MAINS												
2	165401	10.20	17½	10	4	30	F10	3.70	19.90	23.90	29.30	33.70
4	165402	15.50	17½	14	4	30	F14	4.10	26.20	30.40	36.30	40.70
6	165403	20.50	17½	16	4	30	F16	4.30	31.80	36.10	42.00	46.50
8	165404	25.40	17½	18	4	30	F18	4.50	37.20	41.60	47.80	52.30
10	165405	30.50	17½	22	4	30	F22	4.90	43.30	47.90	54.50	59.10
12	165406	36.70	17½	24	4	60	F24	5.10	50.00	54.60	61.50	66.20
14	165407	41.70	17½	28	4	60	F28	5.40	56.00	60.80	68.10	72.90
16	165408	46.80	17½	30	4	60	F30	5.60	61.70	66.60	74.00	78.90
18	165409	51.90	17½	32	4	60	F32	5.80	67.40	72.30	80.00	84.90
20	165410	57.20	17½	34	4	60	F34	6.00	73.20	78.20	86.10	91.10
22	165411	65.00	17½	40	4	100	F40	6.50	85.00	90.50	98.80	101.90
24	165412	70.50	17½	44	4	100	F44	6.90	91.90	97.40	106.30	110.10
26	165413	75.60	17½	46	4	100	F46	7.10	97.80	103.30	112.40	116.50
28	165414	80.70	17½	48	4	100	F48	7.30	103.50	109.10	118.50	123.00
30	165415	85.90	17½	50	4	100	F50	7.50	109.50	115.10	124.70	129.50
32	165416	91.30	17½	54	4	100	F54	7.90	116.30	122.00	132.30	137.60
FUSELESS MAIN SWITCH												
2	165481	14.40	17½	14	4	30	F14	4.10	25.10	29.30	35.20	39.60
4	165482	19.70	17½	18	4	30	F18	4.50	31.50	35.90	42.10	46.60
6	165483	24.70	17½	20	4	30	F20	4.70	37.00	41.50	48.00	52.50
8	165484	29.60	17½	22	4	30	F22	4.90	42.40	47.00	53.60	58.20
10	165485	34.70	17½	24	4	30	F24	5.10	48.00	52.60	59.50	64.20
12	165486	41.80	17½	30	4	60	F30	5.60	56.70	61.60	69.00	73.90
14	165487	46.80	17½	32	4	60	F32	5.80	62.30	67.20	74.90	79.80
16	165488	51.90	17½	34	4	60	F34	6.00	67.90	72.90	80.80	85.80
18	165489	57.00	17½	36	4	60	F36	6.10	73.70	78.80	86.60	91.70
20	165490	62.30	17½	40	4	60	F40	6.50	82.30	87.80	96.10	99.20
22	165491	72.90	17½	44	4	100	F44	6.90	94.30	99.80	108.70	112.50
24	165492	78.40	17½	46	4	100	F46	7.10	100.60	106.10	115.20	119.30
26	165493	83.50	17½	48	4	100	F48	7.30	106.30	111.90	121.30	125.80
28	165494	88.60	17½	52	4	100	F52	7.70	112.80	118.50	128.50	133.60
30	165495	93.80	17½	54	4	100	F54	7.90	118.80	124.50	134.80	140.10
32	165496	99.20	17½	56	4	100	F56	8.10	124.90	130.60	141.30	146.90
FUSIBLE MAIN SWITCH												
2	165561	16.50	17½	14	4	30	F14	4.10	27.20	31.40	37.30	41.70
4	165562	21.80	17½	18	4	30	F18	4.50	33.60	38.00	44.20	48.70
6	165563	26.80	17½	20	4	30	F20	4.70	39.10	43.60	50.10	54.60
8	165564	31.70	17½	22	4	30	F22	4.90	44.50	49.10	55.70	60.30
10	165565	36.80	17½	24	4	30	F24	5.10	50.10	54.70	61.60	66.30
12	165566	43.90	17½	30	4	60	F30	5.60	58.80	63.70	71.10	76.00
14	165567	48.90	17½	32	4	60	F32	5.80	64.40	69.30	77.00	81.90
16	165568	54.00	17½	34	4	60	F34	6.00	70.00	75.00	82.90	87.90
18	165569	59.10	17½	36	4	60	F36	6.10	75.80	80.90	88.70	93.80
20	165570	64.40	17½	40	4	60	F40	6.50	84.40	89.90	98.20	101.30
22	165571	77.70	17½	46	4	100	F46	7.10	99.90	105.40	114.50	118.60
24	165572	83.20	17½	50	4	100	F50	7.50	106.80	112.40	122.00	126.80
26	165573	88.30	17½	52	4	100	F52	7.70	112.50	118.20	128.20	133.30
28	165574	93.40	17½	54	4	100	F54	7.90	118.40	124.10	134.40	139.70
30	165575	98.60	17½	56	4	100	F56	8.10	124.30	130.00	140.70	146.30
32	165576	104.00	17½	60	4	100	F60	8.50	131.10	136.90	148.20	154.30

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for single-branch panels, 125 or 250 volts, and for double branch panels, 250 volts, also for through-feed panels, will be quoted upon request. Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE DD PANELS

2 TO 2-WIRE, 125 VOLTS

Mains—2-Wire. Branches—Double, Arranged for Edison Plug Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.

Panel Only										SLATE FRAME		Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap. Mains	Box Ref.	List	Type AK	Type AL	Types BM-BN	Type BT			
			W.	H.	D.										
MAIN LUGS															
2	170001	\$4.20	8	8	4	30	H 8	\$2.70	\$11.50	\$15.30	\$19.10	\$23.60			
4	170002	6.40	8	10	4	30	H10	2.90	14.10	17.90	21.90	26.50			
6	170003	8.60	8	14	4	60	H14	3.30	17.00	21.00	25.40	30.30			
8	170004	10.70	8	18	4	60	H18	3.70	19.60	23.90	28.80	33.90			
10	170005	12.70	8	20	4	60	H20	3.90	22.00	26.30	31.50	36.70			
12	170006	15.40	8	24	4	100	H24	4.30	25.20	29.80	35.50	40.90			
14	170007	17.90	8	28	4	100	H28	4.70	28.40	33.20	39.40	45.00			
16	170008	19.90	8	30	4	100	H30	4.90	30.80	35.60	42.10	47.80			
18	170009	23.60	8	34	4	200	H34	5.20	35.10	40.10	47.00	52.90			
20	170010	25.80	8	36	4	200	H36	5.40	37.70	42.70	49.90	55.80			
22	170011	28.20	8	40	4	200	H40	5.80	43.30	48.60	57.00	59.80			
24	170012	30.30	8	42	4	200	H42	5.90	46.00	51.20	59.70	62.70			
26	170013	32.70	8	46	4	200	H46	6.30	49.40	54.70	63.70	66.90			
28	170014	34.90	8	48	4	200	H48	6.50	52.10	57.50	66.70	70.10			
30	170015	37.10	8	52	4	200	H52	6.90	55.30	60.80	70.50	74.50			
32	170016	39.30	8	54	4	200	H54	7.10	58.10	63.60	73.40	77.80			

FUSIBLE MAINS															
2	170021	5.70	8	10	4	30	H10	2.90	13.40	17.20	21.20	25.80			
4	170022	7.90	8	12	4	30	H12	3.10	15.90	19.90	24.10	28.80			
6	170023	10.40	8	18	4	60	H18	3.70	19.30	23.60	28.50	33.60			
8	170024	12.50	8	22	4	60	H22	4.10	22.00	26.40	31.90	37.20			
10	170025	14.50	8	24	4	60	H24	4.30	24.30	28.90	34.60	40.00			
12	170026	18.10	8	30	4	100	H30	4.90	29.00	33.80	40.30	46.00			
14	170027	20.60	8	34	4	100	H34	5.20	32.10	37.10	44.00	49.90			
16	170028	22.60	8	36	4	100	H36	5.40	34.50	39.50	46.70	52.60			
18	170029	27.90	8	40	4	200	H40	5.80	43.00	48.30	56.70	59.50			
20	170030	30.10	8	44	4	200	H44	6.10	46.20	51.50	60.30	63.40			
22	170031	32.50	8	46	4	200	H46	6.30	49.20	54.50	63.50	66.70			
24	170032	34.60	8	50	4	200	H50	6.70	52.40	57.80	67.20	70.80			
26	170033	37.00	8	52	4	200	H52	6.90	55.20	60.70	70.40	74.40			
28	170034	39.20	8	56	4	200	H56	7.30	58.50	64.10	74.00	78.90			
30	170035	41.40	8	58	4	200	H58	7.50	61.20	66.80	76.90	82.30			
32	170036	43.60	8	62	4	200	H62	7.90	64.40	70.10	80.60	86.90			

FUSELESS MAIN SWITCH															
2	170041	8.50	8	16	4	30	H16	3.50	17.10	21.20	26.00	31.00			
4	170042	10.70	8	18	4	30	H18	3.70	19.60	23.90	28.80	33.90			
6	170043	13.80	8	24	4	60	H24	4.30	23.60	28.20	33.90	39.30			
8	170044	15.90	8	26	4	60	H26	4.50	26.10	30.70	36.70	42.20			
10	170045	17.90	8	30	4	60	H30	4.90	28.80	33.60	40.10	45.80			
12	170046	23.40	8	34	4	100	H34	5.20	34.90	39.90	46.80	51.70			
14	170047	25.90	8	38	4	100	H38	5.60	38.20	43.40	50.80	56.60			
16	170048	27.90	8	40	4	100	H40	5.80	43.00	48.30	56.70	59.50			
18	170049	34.80	8	48	6	200	H48	8.50	53.50	58.90	70.40	73.80			
20	170050	37.00	8	50	6	200	H50	8.70	56.40	61.80	73.50	77.10			
22	170051	39.40	8	54	6	200	H54	9.20	59.80	65.30	77.60	82.00			
24	170052	41.50	8	56	6	200	H56	9.50	62.50	68.10	81.90	87.40			
26	170053	43.90	8	60	6	200	H60	10.00	65.90	71.60	86.20	92.60			
28	170054	46.10	8	62	6	200	H62	10.20	68.80	74.50	89.50	96.30			
30	170055	48.30	8	66	6	200	H66	10.80	71.90	77.70	93.80	101.70			
32	170056	50.50	8	68	6	200	H68	11.00	74.60	80.40	96.90	105.40			

FUSIBLE MAIN SWITCH															
2	170061	9.90	8	16	4	30	H16	3.50	18.50	22.60	27.40	32.40			
4	170062	12.10	8	18	4	30	H18	3.70	21.00	25.30	30.20	35.30			
6	170063	15.20	8	24	4	60	H24	4.30	25.00	29.60	35.30	40.70			
8	170064	17.30	8	26	4	60	H26	4.50	27.50	32.10	38.10	43.60			
10	170065	19.30	8	30	4	60	H30	4.90	30.20	35.00	41.50	47.20			
12	170066	26.60	8	38	4	100	H38	5.60	38.90	44.10	51.50	57.30			
14	170067	29.10	8	40	4	100	H40	5.80	44.20	49.50	57.90	60.70			
16	170068	31.10	8	44	4	100	H44	6.10	47.20	52.50	61.30	64.40			
18	170069	39.30	8	50	6	200	H50	8.70	58.70	64.10	75.80	79.40			
20	170070	41.50	8	52	6	200	H52	9.00	61.30	66.80	79.00	83.00			
22	170071	43.90	8	56	6	200	H56	9.50	64.90	70.50	84.30	89.80			
24	170072	46.00	8	58	6	200	H58	9.70	67.60	73.20	87.30	93.30			
26	170073	48.40	8	62	6	200	H62	10.20	71.10	76.80	91.80	98.60			
28	170074	50.60	8	64	6	200	H64	10.50	73.70	79.50	95.00	102.40			
30	170075	52.80	8	68	6	200	H68	11.00	76.90	82.80	99.20	107.70			
32	170076	55.00	8	70	6	200	H70	11.30	79.70	85.60	102.40	111.50			

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for single-branch and through-feed panels will be quoted upon request.

Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE DD PANELS

3 TO 2-WIRE, 125 VOLTS

Mains—3-wire. Branches—Double, Arranged for Edison Plug Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.

Panel Only										SLATE FRAME	Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap. Mains	Box Ref.	List	Type AK	Type AL	Types BM-BN	Type BT		
			W.	H.	D.									
MAIN LUGS														
2	170101	\$4.90	8	8	4	30	H 8	\$2.70	\$12.20	\$16.00	\$19.80	\$24.30		
4	170102	7.20	8	10	4	30	H10	2.90	14.90	18.70	22.70	27.30		
6	170103	9.20	8	14	4	30	H14	3.30	17.60	21.60	26.00	30.90		
8	170104	11.60	8	16	4	30	H16	3.50	20.20	24.30	29.10	34.10		
10	170105	14.00	8	20	4	30	H20	3.90	23.30	27.60	32.80	38.00		
12	170106	16.80	8	24	4	60	H24	4.30	26.60	31.20	36.90	42.30		
14	170107	18.90	8	26	4	60	H26	4.50	29.10	33.70	39.70	45.20		
16	170108	21.30	8	30	4	60	H30	4.90	32.20	37.00	43.50	49.20		
18	170109	23.50	8	32	4	60	H32	5.10	34.70	39.60	46.40	52.20		
20	170110	25.90	8	36	4	60	H36	5.40	37.80	42.80	50.00	55.90		
22	170111	29.70	8	40	4	100	H40	5.80	44.80	50.10	58.50	61.30		
24	170112	32.10	8	42	4	100	H42	5.90	47.80	53.00	61.50	64.50		
26	170113	34.50	8	46	4	100	H46	6.30	51.20	56.50	65.50	68.70		
28	170114	36.70	8	48	4	100	H48	6.50	53.90	59.30	68.50	71.90		
30	170115	39.00	8	52	4	100	H52	6.90	57.20	62.70	72.40	76.40		
32	170116	41.40	8	54	4	100	H54	7.10	60.20	65.70	75.50	79.90		
FUSIBLE MAINS														
2	170121	7.20	8	10	4	30	H10	2.90	14.90	18.70	22.70	27.30		
4	170122	9.50	8	12	4	30	H12	3.10	17.50	21.50	25.70	30.40		
6	170123	11.50	8	16	4	30	H16	3.50	20.10	24.20	29.00	34.00		
8	170124	13.90	8	18	4	30	H18	3.70	22.80	27.10	32.00	37.10		
10	170125	16.30	8	22	4	30	H22	4.10	25.80	30.20	35.70	41.00		
12	170126	19.50	8	28	4	60	H28	4.70	30.00	34.80	41.00	46.60		
14	170127	21.60	8	30	4	60	H30	4.90	32.50	37.30	43.80	49.50		
16	170128	24.00	8	34	4	60	H34	5.20	35.50	40.50	47.40	53.30		
18	170129	26.20	8	36	4	60	H36	5.40	38.10	43.10	50.30	56.20		
20	170130	28.60	8	40	4	60	H40	5.80	43.70	49.00	57.40	60.20		
22	170131	33.80	8	46	4	100	H46	6.30	50.50	55.80	64.80	68.00		
24	170132	36.20	8	48	4	100	H48	6.50	53.40	58.80	68.00	71.40		
26	170133	38.60	8	52	4	100	H52	6.90	56.80	62.30	72.00	76.00		
28	170134	40.80	8	54	4	100	H54	7.10	59.60	65.10	74.90	79.30		
30	170135	43.10	8	58	4	100	H58	7.50	62.90	68.50	78.60	84.00		
32	170136	45.50	8	60	4	100	H60	7.70	65.70	71.40	81.70	87.60		
FUSELESS MAIN SWITCH														
2	170141	11.40	8	16	4	30	H16	3.50	20.00	24.10	28.90	33.90		
4	170142	13.70	8	18	4	30	H18	3.70	22.60	26.90	31.80	36.90		
6	170143	15.70	8	22	4	30	H22	4.10	25.20	29.60	35.10	40.40		
8	170144	18.10	8	24	4	30	H24	4.30	27.90	32.50	38.20	43.60		
10	170145	20.50	8	28	4	30	H28	4.70	31.00	35.80	42.00	47.60		
12	170146	24.60	8	32	4	60	H32	5.10	35.80	40.70	47.50	53.30		
14	170147	26.70	8	36	4	60	H36	5.40	38.60	43.60	50.80	56.70		
16	170148	29.10	8	38	4	60	H38	5.60	41.40	46.60	54.00	59.80		
18	170149	31.30	8	42	4	60	H42	5.90	47.00	52.20	60.70	67.00		
20	170150	33.70	8	44	4	60	H44	6.10	49.80	55.10	63.90	67.20		
22	170151	41.70	8	50	4	100	H50	6.70	59.50	64.90	74.30	77.90		
24	170152	44.10	8	52	4	100	H52	6.90	62.30	67.80	77.50	81.50		
26	170153	46.50	8	56	4	100	H56	7.30	65.80	71.40	81.30	86.20		
28	170154	48.70	8	58	4	100	H58	7.50	68.50	74.10	84.20	89.60		
30	170155	51.00	8	62	4	100	H62	7.90	71.80	77.50	88.00	94.30		
32	170156	53.40	8	64	4	100	H64	8.10	74.60	80.40	91.10	97.80		
FUSIBLE MAIN SWITCH														
2	170161	13.50	8	16	4	30	H16	3.50	22.10	26.20	31.00	36.00		
4	170162	15.80	8	18	4	30	H18	3.70	24.70	29.00	33.90	39.00		
6	170163	17.80	8	22	4	30	H22	4.10	27.30	32.70	37.20	42.50		
8	170164	20.20	8	24	4	30	H24	4.30	30.00	34.60	40.30	45.70		
10	170165	22.60	8	28	4	30	H28	4.70	33.10	37.90	44.10	49.70		
12	170166	26.70	8	32	4	60	H32	5.10	37.90	42.80	49.60	55.40		
14	170167	28.80	8	36	4	60	H36	5.40	40.70	45.70	52.90	58.80		
16	170168	31.20	8	38	4	60	H38	5.60	43.50	48.70	56.10	61.90		
18	170169	33.40	8	42	4	60	H42	5.90	49.10	54.30	62.80	68.60		
20	170170	35.80	8	44	4	60	H44	6.10	51.90	57.20	66.00	69.10		
22	170171	46.50	8	52	4	100	H52	6.90	64.70	70.20	79.90	83.90		
24	170172	48.90	8	56	4	100	H56	7.30	68.20	73.80	83.70	88.60		
26	170173	51.30	8	58	4	100	H58	7.50	71.10	76.70	86.80	92.20		
28	170174	53.50	8	62	4	100	H62	7.90	74.30	80.00	90.50	96.80		
30	170175	55.80	8	64	4	100	H64	8.10	77.00	82.80	93.50	100.20		
32	170176	58.20	8	68	4	100	H68	8.50	80.30	86.20	97.40	105.20		

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for through-feed panels will be quoted upon request.

Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE DK PANELS

2 TO 2-WIRE, 125 VOLTS

Mains—2-wire. Branches—Double, with 30-Ampere Knife Switches. Arranged for Edison Plug Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.

Panel Only								Panel with Cabinet*				
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap. Mains	Box Ref.	SLATE FRAME	Type AL	Type AL	Types BM-BN	Type BT
			W.	H.	D.			List				
MAIN LUGS												
2	170201	\$5.50	12½	8	4	30	J 8	\$3.10	\$13.80	\$17.60	\$22.20	\$26.60
4	170202	8.50	12½	10	4	30	J10	3.30	17.20	21.10	26.00	30.50
6	170203	11.60	12½	14	4	60	J14	3.70	21.20	25.30	30.60	35.30
8	170204	14.80	12½	18	4	60	J18	4.10	25.30	29.60	35.20	40.10
10	170205	17.70	12½	20	4	60	J20	4.30	28.60	33.00	38.90	43.90
12	170206	21.30	12½	24	4	100	J24	4.70	33.10	37.70	44.00	49.10
14	170207	24.90	12½	28	4	100	J28	5.10	37.70	42.50	49.20	54.60
16	170208	27.90	12½	30	4	100	J30	5.30	41.20	46.10	53.10	58.50
18	170209	32.60	12½	34	4	200	J34	5.60	46.90	52.10	59.30	64.80
20	170210	35.80	12½	36	4	200	J36	5.80	50.60	55.90	63.20	68.70
22	170211	39.10	12½	40	4	200	J40	6.20	57.40	62.70	70.70	73.70
24	170212	42.20	12½	42	4	200	J42	6.30	61.20	66.60	74.40	77.70
26	170213	45.50	12½	46	4	200	J46	6.70	65.70	71.20	79.60	83.40
28	170214	48.70	12½	48	4	200	J48	6.90	69.50	75.00	83.70	87.80
30	170215	51.80	12½	52	4	200	J52	7.30	73.80	79.40	88.50	93.40
32	170216	55.00	12½	54	4	200	J54	7.50	77.60	83.20	92.60	97.70

FUSIBLE MAINS												
2	170221	7.00	12½	10	4	30	J10	3.30	15.70	19.10	24.50	29.00
4	170222	10.00	12½	12	4	30	J12	3.50	19.20	23.20	28.30	32.90
6	170223	13.40	12½	18	4	60	J18	4.10	23.90	28.20	33.80	38.70
8	170224	16.60	12½	22	4	60	J22	4.50	27.90	32.40	38.50	43.50
10	170225	19.50	12½	24	4	60	J24	4.70	31.30	35.90	42.20	47.30
12	170226	24.00	12½	30	4	100	J30	5.30	37.30	42.20	49.20	54.60
14	170227	27.60	12½	34	4	100	J34	5.60	41.90	47.10	54.30	59.80
16	170228	30.60	12½	36	4	100	J36	5.80	45.40	50.70	58.00	63.50
18	170229	36.90	12½	40	4	200	J40	6.20	55.20	60.50	68.50	71.50
20	170230	40.10	12½	44	4	200	J44	6.50	59.70	65.10	73.40	76.80
22	170231	43.40	12½	46	4	200	J46	6.70	63.60	69.10	77.50	81.30
24	170232	46.50	12½	50	4	200	J50	7.10	67.90	73.40	82.30	86.80
26	170233	49.80	12½	52	4	200	J52	7.30	71.80	77.40	86.50	91.40
28	170234	53.00	12½	56	4	200	J56	7.70	76.30	82.00	91.60	97.10
30	170235	56.10	12½	58	4	200	J58	7.90	80.00	85.80	95.60	101.60
32	170236	59.30	12½	62	4	200	J62	8.30	84.40	90.30	100.80	107.60

FUSELESS MAIN SWITCH												
2	170241	9.80	12½	16	4	30	J16	3.90	19.80	24.00	29.50	34.30
4	170242	12.80	12½	18	4	30	J18	4.10	23.30	27.60	33.20	38.10
6	170243	16.80	12½	24	4	60	J24	4.70	28.60	33.20	39.50	44.60
8	170244	20.00	12½	26	4	60	J26	4.90	32.30	37.00	43.50	48.80
10	170245	22.90	12½	30	4	60	J30	5.30	36.20	41.10	48.10	53.50
12	170246	29.30	12½	34	4	100	J34	5.60	43.60	48.80	56.00	61.50
14	170247	32.90	12½	38	4	100	J38	6.00	48.20	53.60	61.20	66.60
16	170248	35.90	12½	40	4	100	J40	6.20	54.20	59.50	67.50	70.50
18	170249	43.80	12½	48	6	200	J48	9.10	66.50	72.00	82.40	86.50
20	170250	47.00	12½	50	6	200	J50	9.40	70.30	75.80	86.50	91.00
22	170251	50.30	12½	54	6	200	J54	9.90	75.00	80.60	91.80	96.90
24	170252	53.40	12½	56	6	200	J56	10.20	78.80	84.50	95.90	101.40
26	170253	56.70	12½	60	6	200	J60	10.70	83.50	89.30	101.10	107.50
28	170254	59.90	12½	62	6	200	J62	11.00	87.30	93.20	105.60	112.40
30	170255	63.00	12½	66	6	200	J66	11.50	91.70	97.70	110.70	118.60
32	170256	66.20	12½	68	6	200	J68	11.70	95.60	101.70	114.80	123.30

FUSIBLE MAIN SWITCH												
2	170261	11.20	12½	16	4	30	J16	3.90	21.20	25.40	30.90	35.70
4	170262	14.20	12½	18	4	30	J18	4.10	24.70	29.00	34.60	39.50
6	170263	18.20	12½	24	4	60	J24	4.70	30.00	34.60	40.90	46.00
8	170264	21.40	12½	26	4	60	J26	4.90	33.70	38.40	44.90	50.20
10	170265	24.30	12½	30	4	60	J30	5.30	37.60	42.50	49.50	54.90
12	170266	32.50	12½	38	4	100	J38	6.00	47.80	53.20	60.80	66.20
14	170267	36.10	12½	40	4	100	J40	6.20	54.40	59.70	67.70	70.70
16	170268	39.10	12½	44	4	100	J44	6.50	58.70	64.10	72.40	75.80
18	170269	48.30	12½	50	6	200	J50	9.40	71.60	77.10	87.80	92.30
20	170270	51.50	12½	52	6	200	J52	9.70	75.50	81.10	92.00	96.90
22	170271	54.80	12½	56	6	200	J56	10.20	80.20	85.90	97.30	102.80
24	170272	57.90	12½	58	6	200	J58	10.40	84.00	89.80	101.40	107.40
26	170273	61.20	12½	62	6	200	J62	11.00	88.60	94.50	106.90	113.70
28	170274	64.40	12½	64	6	200	J64	11.20	92.50	98.40	111.10	118.50
30	170275	67.50	12½	68	6	200	J68	11.70	96.90	103.00	116.10	124.60
32	170276	70.70	12½	70	6	200	J70	12.00	100.80	106.90	120.30	129.40

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for single-branch and through-feed panels will be quoted upon request.

Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE DK PANELS

3 TO 2-WIRE, 125 VOLTS

Mains—3-wire. Branches—Double, with 30-Ampere Knife Switches, Arranged for Edison Plug Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.

Panel Only									SLATE FRAME List	Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap. Mains	Box Ref.	Type AK		Type AL	Types BM-BN	Type BT	
MAIN LUGS													
2	170301	\$6.20	12½	8	4	30	J 8	\$3.10	\$14.50	\$18.30	\$22.90	\$27.30	
4	170302	9.30	12½	10	4	30	J10	3.30	18.00	21.90	26.80	31.30	
6	170303	12.20	12½	14	4	30	J14	3.70	21.80	25.90	31.20	35.90	
8	170304	15.70	12½	16	4	30	J16	3.90	25.70	29.90	35.40	40.20	
10	170305	19.00	12½	20	4	30	J20	4.30	29.90	34.30	40.20	45.20	
12	170306	22.70	12½	24	4	60	J24	4.70	34.50	39.10	45.40	50.50	
14	170307	25.90	12½	26	4	60	J26	4.90	38.20	42.90	49.40	54.70	
16	170308	29.30	12½	30	4	60	J30	5.30	42.60	47.50	54.50	59.90	
18	170309	32.50	12½	32	4	60	J32	5.40	46.30	51.40	58.40	63.90	
20	170310	35.90	12½	36	4	60	J36	5.80	50.70	56.00	63.30	68.80	
22	170311	40.60	12½	40	4	100	J40	6.20	58.90	64.20	72.20	75.20	
24	170312	44.00	12½	42	4	100	J42	6.30	63.00	68.40	76.20	79.50	
26	170313	47.30	12½	46	4	100	J46	6.70	67.50	73.00	81.40	85.20	
28	170314	50.50	12½	48	4	100	J48	6.90	71.30	76.80	85.50	89.60	
30	170315	53.70	12½	52	4	100	J52	7.30	75.70	81.30	90.40	95.30	
32	170316	57.10	12½	54	4	100	J54	7.50	79.70	85.30	94.70	99.80	
FUSIBLE MAINS													
2	170321	8.50	12½	10	4	30	J10	3.30	17.20	21.10	26.00	30.50	
4	170322	10.60	12½	12	4	30	J12	3.50	19.80	23.80	28.90	33.50	
6	170323	13.50	12½	16	4	30	J16	3.90	23.50	27.70	33.20	38.00	
8	170324	18.00	12½	18	4	30	J18	4.10	28.50	32.80	38.40	43.30	
10	170325	21.30	12½	22	4	30	J22	4.50	32.60	37.10	43.20	48.20	
12	170326	25.40	12½	28	4	60	J28	5.10	38.20	43.00	49.70	55.10	
14	170327	28.60	12½	30	4	60	J30	5.30	41.90	46.80	53.80	59.20	
16	170328	32.00	12½	34	4	60	J34	5.60	46.30	51.50	58.70	64.20	
18	170329	35.20	12½	36	4	60	J36	5.80	50.00	55.30	62.60	68.10	
20	170330	38.60	12½	40	4	60	J40	6.20	56.90	62.20	70.20	73.20	
22	170331	44.70	12½	46	4	100	J46	6.70	64.90	70.40	78.80	82.60	
24	170332	48.10	12½	48	4	100	J48	6.90	68.90	74.40	83.10	87.20	
26	170333	51.40	12½	52	4	100	J52	7.30	73.40	79.00	88.10	93.00	
28	170334	54.60	12½	54	4	100	J54	7.50	77.20	82.80	92.20	97.30	
30	170335	57.80	12½	58	4	100	J58	7.90	81.70	87.50	97.30	103.30	
32	170336	61.20	12½	60	4	100	J60	8.10	85.70	91.50	101.60	108.00	
FUSELESS MAIN SWITCH													
2	170341	12.70	12½	16	4	30	J16	3.90	22.70	26.90	32.40	37.20	
4	170342	15.80	12½	18	4	30	J18	4.10	26.30	30.60	36.20	40.10	
6	170343	18.70	12½	22	4	30	J22	4.50	30.00	34.50	40.60	45.60	
8	170344	22.20	12½	24	4	30	J24	4.70	34.00	38.60	44.90	50.00	
10	170345	25.50	12½	28	4	30	J28	5.10	38.30	43.10	49.80	55.20	
12	170346	30.50	12½	32	4	60	J32	5.40	44.30	49.40	56.40	61.90	
14	170347	33.70	12½	36	4	60	J36	5.80	48.50	53.80	61.10	66.60	
16	170348	37.10	12½	38	4	60	J38	6.00	52.40	57.80	65.40	70.80	
18	170349	40.30	12½	42	4	60	J42	6.30	59.30	64.70	72.50	75.80	
20	170350	43.70	12½	44	4	60	J44	6.50	63.30	68.70	77.00	80.40	
22	170351	52.60	12½	50	4	100	J50	7.10	74.00	79.50	88.40	92.90	
24	170352	56.00	12½	52	4	100	J52	7.30	78.00	83.60	92.70	97.60	
26	170353	59.30	12½	56	4	100	J56	7.70	82.60	88.30	97.90	103.40	
28	170354	62.50	12½	58	4	100	J58	7.90	86.40	92.20	102.00	108.00	
30	170355	65.70	12½	62	4	100	J62	8.30	90.80	96.70	107.20	114.00	
32	170356	69.10	12½	64	4	100	J64	8.50	94.80	100.70	111.50	118.90	
FUSIBLE MAIN SWITCH													
2	170361	14.80	12½	16	4	30	J16	3.90	24.80	29.00	34.50	39.30	
4	170362	17.90	12½	18	4	30	J18	4.10	28.40	32.70	38.30	43.20	
6	170363	20.80	12½	22	4	30	J22	4.50	32.10	36.60	42.70	47.70	
8	170364	24.30	12½	24	4	30	J24	4.70	36.10	40.70	47.00	52.10	
10	170365	27.60	12½	28	4	30	J28	5.10	40.40	45.20	51.90	57.30	
12	170366	32.60	12½	32	4	60	J32	5.40	46.40	51.50	58.50	64.00	
14	170367	35.80	12½	36	4	60	J36	5.80	50.60	55.90	63.20	68.70	
16	170368	39.20	12½	38	4	60	J38	6.00	54.50	59.90	67.50	72.90	
18	170369	42.40	12½	42	4	60	J42	6.30	61.40	66.80	74.60	77.90	
20	170370	45.80	12½	44	4	60	J44	6.50	65.40	70.80	79.10	82.50	
22	170371	57.40	12½	52	4	100	J52	7.30	79.40	85.00	94.10	99.00	
24	170372	60.80	12½	56	4	100	J56	7.70	84.10	89.80	99.40	104.90	
26	170373	64.10	12½	58	4	100	J58	7.90	88.00	93.80	103.60	109.60	
28	170374	67.30	12½	62	4	100	J62	8.30	92.40	98.30	108.80	115.60	
30	170375	70.50	12½	64	4	100	J64	8.50	96.20	102.10	112.90	120.30	
32	170376	73.90	12½	68	4	100	J68	8.90	100.80	106.90	118.20	126.70	

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for through-feed panels will be quoted upon request.

Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE DR PANELS

2 TO 2-WIRE, 125 VOLTS

Mains—2-wire. Branches—Double, with 10-Amp. Rotary Snap Switches, Arranged for Edison Plug Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.

Panel Only								Slate Frame		Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	Size in In.			Cap. Mains	Box. Ref.	List	Type AL	Type AL	Types BM-BF	Type BT	
			W.	H.	D.								
MAIN LUGS													
2	170401	\$7.10	12½	8	4	30	J 8	\$3.10	\$15.40	\$19.20	\$23.80	\$28.20	
4	170402	11.70	12½	10	4	30	J10	3.30	20.40	24.30	29.20	33.70	
6	170403	16.40	12½	14	4	60	J14	3.70	26.00	30.10	35.40	40.10	
8	170404	21.20	12½	18	4	60	J18	4.10	31.70	36.00	41.60	46.50	
10	170405	25.70	12½	20	4	60	J20	4.30	36.60	41.00	46.90	51.90	
12	170406	30.90	12½	24	4	100	J24	4.70	42.70	47.30	53.60	58.70	
14	170407	36.10	12½	28	4	100	J28	5.10	48.90	53.70	60.40	65.80	
16	170408	40.70	12½	30	4	100	J30	5.30	54.00	58.90	65.90	71.30	
18	170409	47.00	12½	34	4	200	J34	5.60	61.30	66.60	73.70	79.20	
20	170410	51.80	12½	36	4	200	J36	5.80	66.60	71.90	79.20	84.70	
22	170411	56.70	12½	40	4	200	J40	6.20	75.00	80.30	88.30	91.30	
24	170412	61.40	12½	42	4	200	J42	6.30	80.40	85.80	93.60	96.90	
26	170413	66.30	12½	46	4	200	J46	6.70	86.50	92.00	100.40	104.20	
28	170414	71.10	12½	48	4	200	J48	6.90	91.90	97.40	106.10	110.20	
30	170415	75.80	12½	52	4	200	J52	7.30	97.80	103.40	112.50	117.40	
32	170416	80.60	12½	54	4	200	J54	7.50	103.20	108.80	118.20	123.30	

FUSIBLE MAINS													
2	170421	8.60	12½	10	4	30	J10	3.30	17.30	21.20	26.10	30.60	
4	170422	13.20	12½	12	4	30	J12	3.50	22.40	26.40	31.50	36.10	
6	170423	18.20	12½	18	4	60	J18	4.10	28.70	33.00	38.60	43.50	
8	170424	23.00	12½	22	4	60	J22	4.50	34.30	38.80	44.90	49.90	
10	170425	27.50	12½	24	4	60	J24	4.70	39.30	43.90	50.20	55.30	
12	170426	33.60	12½	30	4	100	J30	5.30	46.90	51.80	58.80	64.20	
14	170427	38.80	12½	34	4	100	J34	5.60	53.10	58.30	65.50	71.00	
16	170428	43.40	12½	36	4	100	J36	5.80	58.20	63.50	70.80	76.30	
18	170429	51.30	12½	40	4	200	J40	6.20	69.60	74.90	82.90	88.90	
20	170430	56.10	12½	44	4	200	J44	6.50	75.70	81.10	89.40	92.80	
22	170431	61.00	12½	46	4	200	J46	6.70	81.20	86.70	95.10	98.90	
24	170432	65.70	12½	50	4	200	J50	7.10	87.10	92.60	101.50	106.00	
26	170433	70.60	12½	52	4	200	J52	7.30	92.60	98.20	107.30	112.20	
28	170434	75.40	12½	56	4	200	J56	7.70	98.70	104.40	114.00	119.50	
30	170435	80.10	12½	58	4	200	J58	7.90	104.00	109.80	119.60	125.60	
32	170436	84.90	12½	62	4	200	J62	8.30	110.00	115.90	126.40	133.20	

FUSELESS MAIN SWITCH													
2	170441	11.40	12½	16	4	30	J16	3.90	21.40	25.60	31.10	35.90	
4	170442	16.00	12½	18	4	30	J18	4.10	26.50	30.80	36.40	41.30	
6	170443	21.60	12½	24	4	60	J24	4.70	33.40	38.00	44.30	49.40	
8	170444	26.40	12½	26	4	60	J26	4.90	38.70	43.40	49.90	55.20	
10	170445	30.90	12½	30	4	60	J30	5.30	44.20	49.10	56.10	61.50	
12	170446	38.90	12½	34	4	100	J34	5.60	53.20	58.40	65.60	71.10	
14	170447	44.10	12½	38	4	100	J38	6.00	59.40	64.80	72.40	77.80	
16	170448	48.70	12½	40	4	100	J40	6.20	67.00	72.30	80.30	83.30	
18	170449	58.20	12½	48	6	200	J48	9.10	80.90	86.40	96.80	100.90	
20	170450	63.00	12½	50	6	200	J50	9.40	86.30	91.80	102.50	107.00	
22	170451	67.90	12½	54	6	200	J54	9.90	92.60	98.20	109.40	114.50	
24	170452	72.60	12½	56	6	200	J56	10.20	98.00	103.70	115.10	120.60	
26	170453	77.50	12½	60	6	200	J60	10.70	104.30	110.10	121.90	128.30	
28	170454	82.30	12½	62	6	200	J62	11.00	109.70	115.60	128.00	134.80	
30	170455	87.00	12½	66	6	200	J66	11.50	115.70	121.70	134.70	142.60	
32	170456	91.80	12½	68	6	200	J68	11.70	121.20	127.30	140.40	148.90	

FUSIBLE MAIN SWITCH													
2	170461	12.80	12½	16	4	30	J16	3.90	22.80	27.00	32.50	37.30	
4	170462	17.40	12½	18	4	30	J18	4.10	27.90	32.20	37.80	42.70	
6	170463	23.00	12½	24	4	60	J24	4.70	34.80	39.40	45.70	50.80	
8	170464	27.80	12½	26	4	60	J26	4.90	40.10	44.80	51.30	56.60	
10	170465	32.30	12½	30	4	60	J30	5.30	45.60	50.50	57.50	62.90	
12	170466	42.10	12½	38	4	100	J38	6.00	57.40	62.80	70.40	75.80	
14	170467	47.30	12½	40	4	100	J40	6.20	65.60	70.90	78.90	81.90	
16	170468	51.90	12½	44	4	100	J44	6.50	71.50	76.90	85.20	88.60	
18	170469	62.70	12½	50	6	200	J50	9.40	86.00	91.50	102.20	106.70	
20	170470	67.50	12½	52	6	200	J52	9.70	91.50	97.10	108.00	112.90	
22	170471	72.40	12½	56	6	200	J56	10.20	97.80	103.50	114.90	120.40	
24	170472	77.10	12½	58	6	200	J58	10.40	103.20	109.00	120.60	126.60	
26	170473	82.00	12½	62	6	200	J62	11.00	109.40	115.30	127.70	134.50	
28	170474	86.80	12½	64	6	200	J64	11.20	114.90	120.80	133.50	140.90	
30	170475	91.50	12½	68	6	200	J68	11.70	120.90	127.00	140.10	148.60	
32	170476	96.30	12½	70	6	200	J70	12.00	126.40	132.50	145.90	155.00	

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for single-branch and through-feed panels will be quoted upon request.

Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE DR PANELS

3 TO 2-WIRE, 125 VOLTS

Mains—3-wire. Branches—Double, with 10-Amp. Rotary Snap Switches, Arranged for Edison Plug Fuses

Panels furnished with main connections at top, if so ordered, without extra charge

Panel Only									SLATE FRAME	Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap. Mains	Box Ref.	List		Type AK	Type AL	Types BM-BN	Type BT
			W.	H.	D.								
MAIN LUGS													
2	170501	\$ 7.80	12½	8	4	30	J 8	\$3.10	\$16.10	\$19.90	\$24.50	\$28.90	
4	170502	12.50	12½	10	4	30	J10	3.30	21.20	25.10	30.00	34.50	
6	170503	17.00	12½	14	4	30	J14	3.70	26.60	30.70	36.00	40.70	
8	170504	22.10	12½	16	4	30	J16	3.90	32.10	36.30	41.80	46.60	
10	170505	27.00	12½	20	4	30	J20	4.30	37.90	42.30	48.20	53.20	
12	170506	32.30	12½	24	4	60	J24	4.70	44.10	48.70	55.00	60.10	
14	170507	37.10	12½	26	4	60	J26	4.90	49.40	54.10	60.60	65.90	
16	170508	42.10	12½	30	4	60	J30	5.30	55.40	60.30	67.30	72.70	
18	170509	46.90	12½	32	4	60	J32	5.40	60.70	65.80	72.80	78.30	
20	170510	51.90	12½	36	4	60	J36	5.80	66.70	72.00	79.30	84.80	
22	170511	58.20	12½	40	4	100	J40	6.20	76.50	81.80	89.80	92.80	
24	170512	63.20	12½	42	4	100	J42	6.30	82.20	87.60	95.40	98.70	
26	170513	68.10	12½	46	4	100	J46	6.70	88.30	93.80	102.20	106.00	
28	170514	72.90	12½	48	4	100	J48	6.90	93.70	99.20	107.90	112.00	
30	170515	77.70	12½	52	4	100	J52	7.30	99.70	105.30	114.40	119.30	
32	170516	82.70	12½	54	4	100	J54	7.50	105.30	110.90	120.30	125.40	
FUSIBLE MAINS													
2	170521	10.10	12½	10	4	30	J10	3.30	18.80	22.70	27.60	32.10	
4	170522	14.80	12½	12	4	30	J12	3.50	24.00	28.00	33.10	37.70	
6	170523	19.30	12½	16	4	30	J16	3.90	29.30	33.50	39.00	43.80	
8	170524	24.40	12½	18	4	30	J18	4.10	34.90	39.20	44.80	49.70	
10	170525	29.30	12½	22	4	30	J22	4.50	40.60	45.10	51.20	56.20	
12	170526	35.00	12½	28	4	60	J28	5.10	47.80	52.60	59.30	64.70	
14	170527	39.80	12½	30	4	60	J30	5.30	53.10	58.00	65.00	70.40	
16	170528	44.80	12½	34	4	60	J34	5.60	59.10	64.30	71.50	77.00	
18	170529	49.60	12½	36	4	60	J36	5.80	64.40	69.70	77.00	82.50	
20	170530	54.60	12½	40	4	60	J40	6.20	72.90	78.20	86.20	92.00	
22	170531	62.30	12½	46	4	100	J46	6.70	82.50	88.00	96.40	100.20	
24	170532	67.30	12½	48	4	100	J48	6.90	88.10	93.60	102.30	106.40	
26	170533	72.20	12½	52	4	100	J52	7.30	94.20	99.80	108.90	113.80	
28	170534	77.00	12½	54	4	100	J54	7.50	99.60	105.20	114.60	119.70	
30	170535	81.80	12½	58	4	100	J58	7.90	105.70	111.50	121.30	127.30	
32	170536	86.80	12½	60	4	100	J60	8.10	111.30	117.10	127.20	133.60	
FUSELESS MAIN SWITCH													
2	170541	14.30	12½	16	4	30	J16	3.90	24.30	28.50	34.00	38.80	
4	170542	19.00	12½	18	4	30	J18	4.10	29.50	33.80	39.40	44.30	
6	170543	23.50	12½	22	4	30	J22	4.50	34.80	39.30	45.40	50.40	
8	170544	28.60	12½	24	4	30	J24	4.70	40.40	45.00	51.30	56.40	
10	170545	33.50	12½	28	4	30	J28	5.10	46.30	51.10	57.80	63.20	
12	170546	40.10	12½	32	4	60	J32	5.40	53.90	59.00	66.00	71.50	
14	170547	44.90	12½	36	4	60	J36	5.80	59.70	65.00	72.30	77.80	
16	170548	49.90	12½	38	4	60	J38	6.00	65.20	70.60	78.20	83.60	
18	170549	54.70	12½	42	4	60	J42	6.30	73.70	79.10	86.90	90.20	
20	170550	59.70	12½	44	4	60	J44	6.50	79.30	84.70	93.00	96.40	
22	170551	70.20	12½	50	4	100	J50	7.10	91.60	97.10	106.00	110.50	
24	170552	75.20	12½	52	4	100	J52	7.30	97.20	102.80	111.90	116.80	
26	170553	80.10	12½	56	4	100	J56	7.70	103.40	109.10	118.70	124.20	
28	170554	84.90	12½	58	4	100	J58	7.90	108.80	114.60	124.40	130.40	
30	170555	89.70	12½	62	4	100	J62	8.30	114.80	120.70	131.20	138.00	
32	170556	94.70	12½	64	4	100	J64	8.50	120.40	126.30	137.10	144.50	
FUSIBLE MAIN SWITCH													
2	170561	16.40	12½	16	4	30	J16	3.90	26.40	30.60	36.10	40.90	
4	170562	21.10	12½	18	4	30	J18	4.10	31.60	35.90	41.50	46.40	
6	170563	25.60	12½	22	4	30	J22	4.50	36.90	41.40	47.50	52.50	
8	170564	30.70	12½	24	4	30	J24	4.70	42.50	47.10	53.40	58.50	
10	170565	35.60	12½	28	4	30	J28	5.10	48.40	53.20	59.90	65.30	
12	170566	42.20	12½	32	4	60	J32	5.40	56.00	61.10	68.10	73.60	
14	170567	47.00	12½	36	4	60	J36	5.80	61.80	67.10	74.40	79.90	
16	170568	52.00	12½	38	4	60	J38	6.00	67.30	72.70	80.30	85.70	
18	170569	56.80	12½	42	4	60	J42	6.30	75.80	81.20	89.00	92.30	
20	170570	61.80	12½	44	4	60	J44	6.50	81.40	86.80	95.10	98.50	
22	170571	75.00	12½	52	4	100	J52	7.30	97.00	102.60	111.70	116.60	
24	170572	80.00	12½	56	4	100	J56	7.70	103.30	109.00	118.60	124.10	
26	170573	84.90	12½	58	4	100	J58	7.90	108.80	114.60	124.40	130.40	
28	170574	89.70	12½	62	4	100	J62	8.30	114.80	120.70	131.20	138.00	
30	170575	94.50	12½	64	4	100	J64	8.50	120.20	126.10	136.90	144.30	
32	170576	99.50	12½	68	4	100	J68	8.90	126.40	132.50	143.80	152.30	

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for through-feed panels will be quoted upon request.

Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

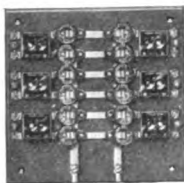
CROUSE-HINDS TYPE DP PANELS

2 TO 2-WIRE, 125 VOLTS

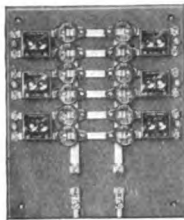
Mains—2-wire. Branches—Double, with 10-Amp. Push Button Switches, Arranged for Edison Plug Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.

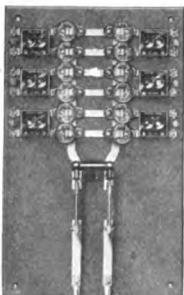
Panel Only								SLATE FRAME	Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap. Mains	Box Ref.		Type A†	Type AL	Types BM-BN	Type BT
			W.	H.	D.			List				
MAIN LUGS												
2	170601	\$ 7.50	12½	8	4	30	J 8	\$3.10	\$15.80	\$19.60	\$24.20	\$28.60
4	170602	12.50	12½	10	4	30	J10	3.30	21.20	25.10	30.00	34.50
6	170603	17.60	12½	14	4	60	J14	3.70	27.20	31.30	36.60	41.30
8	170604	22.80	12½	18	4	60	J18	4.10	33.30	37.60	43.20	48.10
10	170605	27.70	12½	20	4	60	J20	4.30	38.60	43.00	48.90	53.90
12	170606	33.30	12½	24	4	100	J24	4.70	45.10	49.70	56.00	61.10
14	170607	38.90	12½	28	4	100	J28	5.10	51.70	56.50	63.20	68.60
16	170608	43.90	12½	30	4	100	J30	5.30	57.20	62.10	69.10	74.50
18	170609	50.60	12½	34	4	200	J34	5.60	64.90	70.20	77.30	82.80
20	170610	55.80	12½	36	4	200	J36	5.80	70.60	75.90	83.20	88.70
22	170611	61.10	12½	40	4	200	J40	6.20	79.40	84.70	92.70	95.70
24	170612	66.20	12½	42	4	200	J42	6.30	85.20	90.60	98.40	101.70
26	170613	71.50	12½	46	4	200	J46	6.70	91.70	97.20	106.60	109.40
28	170614	76.70	12½	48	4	200	J48	6.90	97.50	103.00	111.70	115.80
30	170615	81.80	12½	52	4	200	J52	7.30	103.80	109.40	118.50	123.40
32	170616	87.00	12½	54	4	200	J54	7.50	109.60	115.20	124.60	129.70



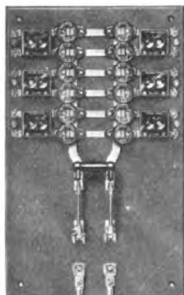
FUSIBLE MAINS												
2	170621	9.00	12½	10	4	30	J10	3.30	17.70	21.60	26.50	31.00
4	170622	14.00	12½	12	4	30	J12	3.50	23.20	27.20	32.30	36.90
6	170623	19.40	12½	18	4	60	J18	4.10	29.90	34.20	39.80	44.70
8	170624	24.60	12½	22	4	60	J22	4.50	35.90	40.40	46.50	51.50
10	170625	29.50	12½	24	4	60	J24	4.70	41.30	45.90	52.50	57.30
12	170626	36.00	12½	30	4	100	J30	5.30	49.30	54.20	61.20	66.60
14	170627	41.60	12½	34	4	100	J34	5.60	55.90	61.10	68.30	73.80
16	170628	46.60	12½	36	4	100	J36	5.80	61.40	66.70	74.00	79.50
18	170629	54.90	12½	40	4	200	J40	6.20	73.20	78.50	86.50	89.50
20	170630	60.10	12½	44	4	200	J44	6.50	79.70	85.10	93.40	96.80
22	170631	65.40	12½	46	4	200	J46	6.70	85.60	91.10	99.50	103.70
24	170632	70.50	12½	50	4	200	J50	7.10	91.90	97.40	106.30	110.80
26	170633	75.80	12½	52	4	200	J52	7.30	97.80	103.40	112.50	117.40
28	170634	81.00	12½	56	4	200	J56	7.70	104.30	110.00	119.60	125.10
30	170635	86.10	12½	58	4	200	J58	7.90	110.00	115.80	125.60	131.60
32	170636	91.30	12½	62	4	200	J62	8.30	116.40	122.30	132.80	139.60



FUSELESS MAIN SWITCH												
2	170641	11.80	12½	16	4	30	J16	3.90	21.80	26.00	31.50	36.30
4	170642	16.80	12½	18	4	30	J18	4.10	27.30	31.60	37.20	42.10
6	170643	22.80	12½	24	4	60	J24	4.70	34.60	39.20	45.50	50.60
8	170644	28.00	12½	26	4	60	J26	4.90	40.30	45.00	51.50	56.80
10	170645	32.90	12½	30	4	60	J30	5.30	46.20	51.10	58.10	63.50
12	170646	41.30	12½	34	4	100	J34	5.60	55.60	60.80	68.00	73.50
14	170647	46.90	12½	38	4	100	J38	6.00	62.20	67.60	75.20	80.60
16	170648	51.90	12½	40	4	100	J40	6.20	70.20	75.50	83.50	88.50
18	170649	61.80	12½	48	6	200	J48	9.10	84.50	90.00	100.40	104.50
20	170650	67.00	12½	50	6	200	J50	9.40	90.30	95.80	106.50	111.00
22	170651	72.30	12½	54	6	200	J54	9.90	97.00	102.60	113.40	118.90
24	170652	77.40	12½	56	6	200	J56	10.20	102.80	108.50	119.90	125.40
26	170653	82.70	12½	60	6	200	J60	10.70	109.50	115.30	127.10	133.50
28	170654	87.90	12½	62	6	200	J62	11.00	115.30	121.20	133.60	140.40
30	170655	93.00	12½	66	6	200	J66	11.50	121.70	127.70	140.70	148.60
32	170656	98.20	12½	68	6	200	J68	11.70	127.60	133.70	146.80	155.30



FUSIBLE MAIN SWITCH												
2	170661	13.20	12½	16	4	30	J16	3.90	23.20	27.40	32.90	37.70
4	170662	18.20	12½	18	4	30	J18	4.10	28.70	33.00	38.60	43.50
6	170663	24.20	12½	24	4	60	J24	4.70	36.00	40.60	46.90	52.00
8	170664	29.40	12½	26	4	60	J26	4.90	41.70	46.40	52.90	58.20
10	170665	34.30	12½	30	4	60	J30	5.30	47.60	52.50	59.50	64.90
12	170666	44.50	12½	38	4	100	J38	6.00	59.80	65.20	72.80	78.20
14	170667	50.10	12½	40	4	100	J40	6.20	68.40	73.70	81.70	87.10
16	170668	55.10	12½	44	4	100	J44	6.50	74.70	80.10	88.40	91.80
18	170669	66.30	12½	50	6	200	J50	9.40	89.60	95.10	105.80	110.30
20	170670	71.50	12½	52	6	200	J52	9.70	95.50	101.10	112.00	116.90
22	170671	76.80	12½	56	6	200	J56	10.20	102.20	107.90	119.30	124.80
24	170672	81.90	12½	58	6	200	J58	10.40	108.00	113.80	125.40	131.40
26	170673	87.20	12½	62	6	200	J62	11.00	114.60	120.50	132.90	139.70
28	170674	92.40	12½	64	6	200	J64	11.20	120.50	126.40	139.10	146.50
30	170675	97.50	12½	68	6	200	J68	11.70	126.90	133.00	146.10	154.60
32	170676	102.70	12½	70	6	200	J70	12.00	132.80	138.90	152.30	161.40



Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for single-branch and through-feed panels will be quoted upon request.

Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

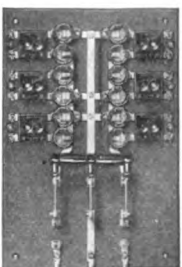
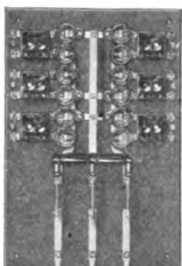
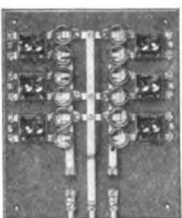
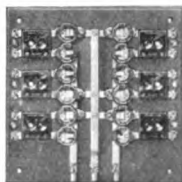
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TYPE DP PANELS

3 TO 2-WIRE, 125 VOLTS

Mains—3-wire. Branches—Double, with 10-Amp. Push Button Switches, Arranged for Edison Plug Fuses

Panels furnished with main connections at top, if so ordered, without extra charge.



Panel Only								SLATE FRAME	Panel with Cabinet*			
No. Cir.	Cat. No.	List Price	SIZE IN IN.			Cap Mains	Box Ref.		Type AR	Type AL	Types BM-BN	Type BT
MAIN LUGS												
2	170701	\$ 8.20	12½	8	4	30	J 8	\$3.10	\$16.50	\$20.30	\$24.90	\$29.30
4	170702	13.30	12½	10	4	30	J10	3.30	22.00	25.90	30.80	35.30
6	170703	18.20	12½	14	4	30	J14	3.70	27.80	31.90	37.20	41.90
8	170704	23.70	12½	16	4	30	J16	3.90	33.70	37.90	43.40	48.20
10	170705	29.00	12½	20	4	30	J20	4.30	39.90	44.30	50.20	55.20
12	170706	34.70	12½	24	4	60	J24	4.70	46.50	51.10	57.40	62.50
14	170707	39.90	12½	26	4	60	J26	4.90	52.20	56.90	63.40	68.70
16	170708	45.30	12½	30	4	60	J30	5.30	58.60	63.50	70.50	75.90
18	170709	50.50	12½	32	4	60	J32	5.40	64.30	69.40	76.40	81.90
20	170710	55.90	12½	36	4	60	J36	5.80	70.70	76.00	83.30	88.80
22	170711	62.60	12½	40	4	100	J40	6.20	80.90	86.20	94.20	97.20
24	170712	68.00	12½	42	4	100	J42	6.30	87.00	92.40	100.20	103.50
26	170713	73.30	12½	46	4	100	J46	6.70	93.50	99.00	107.40	111.20
28	170714	78.50	12½	48	4	100	J48	6.90	99.30	104.80	113.50	117.60
30	170715	83.70	12½	52	4	100	J52	7.30	105.70	111.30	120.40	125.30
32	170716	89.10	12½	54	4	100	J54	7.50	111.70	117.30	126.70	131.80
FUSIBLE MAINS												
2	170721	10.50	12½	10	4	30	J10	3.30	19.20	23.10	28.00	32.50
4	170722	15.60	12½	12	4	30	J12	3.50	24.80	28.80	33.90	38.50
6	170723	20.50	12½	16	4	30	J16	3.90	30.50	34.70	40.20	45.00
8	170724	26.00	12½	18	4	30	J18	4.10	36.50	40.80	46.40	51.30
10	170725	31.30	12½	22	4	30	J22	4.50	42.60	47.10	53.20	58.20
12	170726	37.40	12½	28	4	60	J28	5.10	50.20	55.00	61.70	67.10
14	170727	42.60	12½	30	4	60	J30	5.30	55.90	60.80	67.80	73.20
16	170728	48.00	12½	34	4	60	J34	5.60	62.30	67.50	74.70	80.20
18	170729	53.20	12½	36	4	60	J36	5.80	68.00	73.30	80.60	86.10
20	170730	58.60	12½	40	4	60	J40	6.20	76.90	82.20	90.20	93.20
22	170731	66.70	12½	46	4	100	J46	6.70	86.90	92.40	100.80	104.60
24	170732	72.10	12½	48	4	100	J48	6.90	92.90	98.40	107.10	111.20
26	170733	77.40	12½	52	4	100	J52	7.30	99.40	105.00	114.10	119.00
28	170734	82.60	12½	54	4	100	J54	7.50	105.20	110.80	120.20	125.30
30	170735	87.80	12½	58	4	100	J58	7.90	111.70	117.50	127.30	133.30
32	170736	93.20	12½	60	4	100	J60	8.10	117.70	123.50	133.60	140.00
FUSELESS MAIN SWITCH												
2	170741	14.70	12½	16	4	30	J16	3.90	24.70	28.90	34.40	39.20
4	170742	19.80	12½	18	4	30	J18	4.10	30.30	34.60	40.20	45.10
6	170743	24.70	12½	22	4	30	J22	4.50	36.00	40.50	46.60	51.60
8	170744	30.20	12½	24	4	30	J24	4.70	42.00	46.60	52.90	58.00
10	170745	35.50	12½	28	4	30	J28	5.10	48.30	53.10	59.80	65.20
12	170746	42.50	12½	32	4	60	J32	5.40	56.30	61.40	68.40	73.90
14	170747	47.70	12½	36	4	60	J36	5.80	62.50	67.80	75.10	80.60
16	170748	53.10	12½	38	4	60	J38	6.00	68.40	73.80	81.40	86.80
18	170749	58.30	12½	42	4	60	J42	6.30	77.30	82.70	90.50	93.80
20	170750	63.70	12½	44	4	60	J44	6.50	83.30	88.70	97.00	100.40
22	170751	74.60	12½	50	4	100	J50	7.10	96.00	101.50	110.40	114.90
24	170752	80.00	12½	52	4	100	J52	7.30	102.00	107.60	116.70	121.60
26	170753	85.30	12½	56	4	100	J56	7.70	108.60	114.30	123.90	129.40
28	170754	90.50	12½	58	4	100	J58	7.90	114.40	120.20	130.00	136.00
30	170755	95.70	12½	62	4	100	J62	8.30	120.80	126.70	137.20	144.00
32	170756	101.10	12½	64	4	100	J64	8.50	126.80	133.30	143.50	150.90
FUSIBLE MAIN SWITCH												
2	170761	16.80	12½	16	4	30	J16	3.90	26.80	31.00	36.50	41.30
4	170762	21.90	12½	18	4	30	J18	4.10	32.40	36.70	42.30	47.20
6	170763	26.80	12½	22	4	30	J22	4.50	38.10	42.60	48.70	53.70
8	170764	32.30	12½	24	4	30	J24	4.70	44.10	48.70	55.00	60.10
10	170765	37.60	12½	28	4	30	J28	5.10	50.40	55.20	61.90	67.30
12	170766	44.60	12½	32	4	60	J32	5.40	58.40	63.50	70.50	76.00
14	170767	49.80	12½	36	4	60	J36	5.80	64.60	69.90	77.20	82.70
16	170768	55.20	12½	38	4	60	J38	6.00	70.50	75.90	83.50	88.90
18	170769	60.40	12½	42	4	60	J42	6.30	79.40	84.80	92.60	95.90
20	170770	65.80	12½	44	4	60	J44	6.50	85.40	90.80	99.10	102.50
22	170771	79.40	12½	52	4	100	J52	7.30	101.40	107.00	116.10	121.00
24	170772	84.80	12½	56	4	100	J56	7.70	108.10	113.80	123.40	128.90
26	170773	90.10	12½	58	4	100	J58	7.90	114.00	119.80	129.60	135.60
28	170774	95.30	12½	62	4	100	J62	8.30	120.40	126.30	136.80	143.60
30	170775	100.50	12½	64	4	100	J64	8.50	126.20	132.10	142.90	150.30
32	170776	105.90	12½	68	4	100	J68	8.90	132.80	138.90	150.20	158.70

Catalogue number is for panel only. If slate frame or cabinet is required, order should so state and give number of panel with which they are to be used. *Prices under heading "Panel with Cabinet" include panel complete with cabinet, and slate frame if one is required.

Prices for through-feed panels will be quoted upon request.

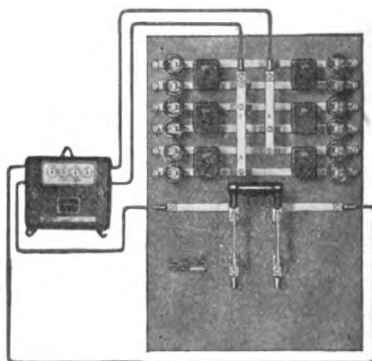
Prices do not include fuses. Order by catalogue number.

For description of cabinets listed above, see one of the following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS METER LOOP PANELS**METER LOOPS FOR STANDARD PANEL BOARDS**

Frequently it is desirable to have a panel board arranged with meter loop. We therefore give below a schedule of the extra list prices to be added to the list prices of standard panel boards when they are to be equipped with meter loops. The addition of meter loop does not change size of standard panel board.

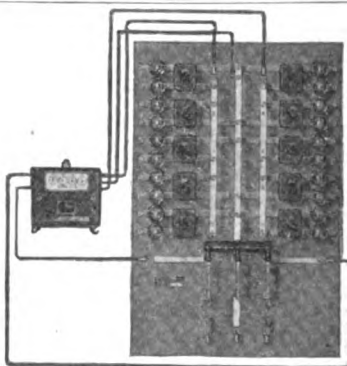


**A 2 TO 2-wire Double-branch
Panel with Meter Loops**

**LIST PRICES OF METER LOOPS FOR ALL 2 TO 2-WIRE DOUBLE-BRANCH
STANDARD PANEL BOARDS, 125 VOLTS**

The Following List Prices are to be Added to the List Prices of Standard Panel Boards

No. of Circuits on Panel Board	Extra List Price	No. of Circuits on Panel Board	Extra List Price	No. of Circuits on Panel Board	Extra List Price	No. of Circuits on Panel Board	Extra List Price
2 to 4	\$2.00	6 to 10	\$2.20	12 to 16	\$2.60	18 to 32	\$3.00



**A 3 TO 2-wire Double-branch
Panel with Meter Loops**

**LIST PRICES OF METER LOOPS FOR ALL 3 TO 2-WIRE DOUBLE-BRANCH
STANDARD PANEL BOARDS, 125 VOLTS**

The Following List Prices are to be Added to the List Prices of Standard Panel Boards

No. of Circuits on Panel Board	Extra List Price	No. of Circuits on Panel Board	Extra List Price	No. of Circuits on Panel Board	Extra List Price
2 to 10	\$2.10	12 to 20	\$2.30	22 to 32	\$2.70

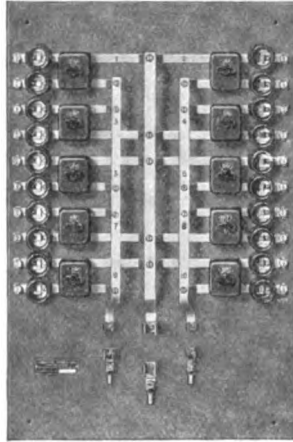
**LIST PRICES OF METER LOOPS FOR ALL 3 TO 2-WIRE DOUBLE-BRANCH
CONVERTIBLE PANEL BOARDS, 125 VOLTS**

The Following List Prices are to be Added to the List Prices of Convertible Panel

No. of Circuits on Panel Board	Extra List Price	No. of Circuits on Panel Board	Extra List Price	No. of Circuits on Panel Board	Extra List Price	No. of Circuits on Panel Board	Extra List Price
2 to 4	\$2.10	6 to 10	\$2.30	12 to 16	\$2.70	18 to 32	\$3.10

When ordering a panel board with meter loop give catalogue number of standard panel board and state that it is to have a meter loop. List prices for meter loops do not include the wire connections between panel board and meter.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS CONVERTIBLE PANELS**THREE-WIRE, ALL TYPES****A 3 to 2-Wire Panel with Convertible Mains**

If specifically ordered, three to two-wire panel boards of any type will be furnished with convertible mains having a capacity of 6 amperes per branch on the neutral pole and 3 amperes per branch on the positive and negative poles.

General specifications of various types of panel boards apply to convertible panel boards, except in capacity of mains.

PANEL BOARDS WITH CONVERTIBLE MAINS

Schedule of Extra Heights and List Prices to be Added to 3 to 2-wire Standard Panel Boards
Widths Remain the Same

Description of Mains	No. of Circuits	CAPACITY OF MAINS AMPERES		Additional Height (width same as Standard)	Additional List Price of Panel	Additional List Price of Slate Frame
		Outsides	Neutral			
Lugs only	2 to 4	30	30	0	\$0.00	\$0.00
	6 to 10	30	60	0	.70	.00
	12 to 16	60	100	2	1.00	.20
	18 and 20	60	200	2	1.80	.20
	22 to 32	100	200	2	2.00	.20
Fused Mains	2 to 4	30	30	0	.00	.00
	6 to 10	30	60	2	1.00	.20
	12 to 16	60	100	4	2.00	.40
	18 and 20	60	200	4	3.00	.40
	22 to 32	100	200	2	2.80	.20
Fuseless Switch	2 to 4	30	30	0	.00	.00
	6 to 10	30	60	2	2.00	.20
	12 to 16	60	100	2	5.20	.20
	18 and 20	60	200	4*	10.80	3.20
	22 to 32	100	200	2*	6.80	2.90
Fusible Switch	2 to 4	30	30	0	.00	.00
	6 to 10	30	60	2	2.20	.20
	12 to 16	60	100	6	8.00	.50
	18 and 20	60	200	8*	15.50	3.60
	22 to 32	100	200	2*	8.80	2.90

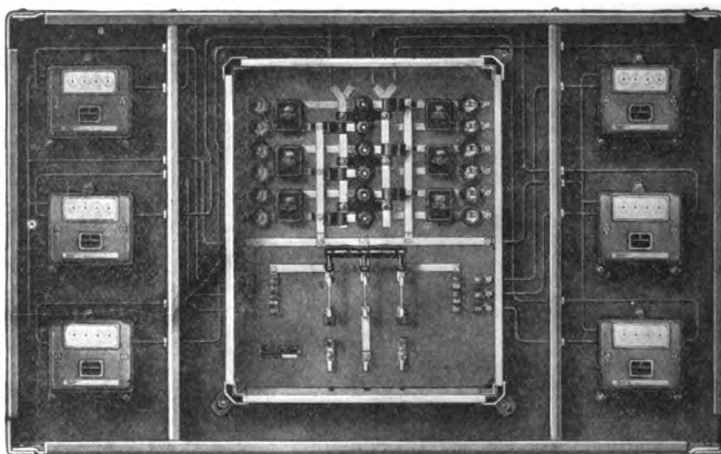
*These panel boards will require slate frames and boxes 6 inches deep.

To obtain box reference, use the same reference letter as for standard panel board and the total height of panel board as reference numeral.

Use catalogue number of standard panel board when ordering and specify that it is to be convertible.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS METERING PANELS



Six-circuit, 3 to 2-wire, Multimeter Panel with Type H Circuits,
Mounted in Cabinet Arranged for Six Meters
Meter Compartment Cabinet not Furnished unless Specified

MULTIMETER PANELS

The Crouse-Hinds Multimeter is the latest and most improved type of metering panel board yet designed. The general specifications as regards material, workmanship, finish, etc., conform to the general specifications of standard panel boards.

The terminals feeding to the meters are arranged on each side of the mains at the bottom of the panel board and are arranged for N. E. C. cartridge or Edison plug fuses, as specified. On each side of the panel board above the meter leads is placed a binding nut for potential wire connections.

The individual meter bars are arranged in two vertical laminated sets placed in the center of the panel board and are supported and separated by insulating pillars and spacers. The upper ends of the meter bars are equipped with terminals for receiving the return wires from the meters. One pole of each circuit on the panel board connects directly to a common bus bar which is divided after leaving the main connection and extends vertically at each side of the meter bars. The other pole of each circuit extends to a pillar placed in the center of the Panel Board between the two sets of meter bars. These pillars are built up with spacers in such a manner that connections with the meter bars can be made by connection clips. One end of each clip engages a meter bar and the other end is clamped between the spacers of a pillar. The connection pillar is surrounded by an insulating sleeve with openings for the connection clip on only one side of the pillar. This arrangement permits connection to be made to only one meter bar at a time. The insulating sleeve is arranged so that it can easily be turned to allow connections to any one meter bar of either set. The spacers of the pillar are arranged so that the separation between any two spacers is only large enough to allow the insertion of one connection clip, thus making it impossible to make connection to any connecting pillar from more than one meter bar. The connection clip is equipped with an insulating handle, and the entire construction of the panel board is such that it is unnecessary to use tools of any kind when making changes in connections between circuits and meter bars, thus eliminating the possibility of a short circuit by accident, as frequently happens when using a screwdriver or other tool about the live parts of a panel board. These panel boards are of uniform width regardless of the number of meter connections required.

Prices for metering panel boards and cabinets will be quoted upon request. Inquiry must give complete information as to requirements, stating number of circuits, number of meter bars, system, voltage, style of main connections, style of fuses, and whether with or without switches (knife or snap) in branches, also complete description of cabinet.

Cabinets: Multimeter Panel Boards can be installed in cabinets of standard design, illustrated elsewhere in this catalogue, when it is intended to mount meters outside of cabinet, or in cabinets with compartments for meters, as illustrated above.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS CABINETS

CABINET SPECIFICATIONS

Crouse-Hinds Standard cabinets include types AK, AL, BM, BN and BT, all of which are illustrated on the following page.

Each cabinet is made up of two main parts, a steel box and a steel or wooden trim.

BOXES, TYPES A AND B

Construction.—Each box is formed from one piece of No. 10 U. S. standard gauge sheet steel, overlapped and riveted at corners.

Type A boxes, for types AK and AL cabinets, are made in sizes to allow a 2-inch space between the sides of the box and the panels for which they are intended. As this space makes it unnecessary to line the box, no lining is furnished.

Type B boxes, for types BM, BN and BT cabinets, are made to allow a 3-inch wiring compartment or gutter between the sides of the box and the slate frame surrounding the panel. These boxes are unlined, as no lining is necessary.

Finish.—Boxes are painted both inside and outside with a dead black lacquer. Boxes finished in baked black enamel will be furnished at an advance of 20 per cent in the list price, if specifically ordered.

Drilling.—Boxes will be drilled for conduit without extra charge, if complete drilling information accompanies order. Boxes will be drilled and porcelain bushings furnished for open work at an advance in the list price of 15 cents per hole. Blank drilling forms will be furnished upon request, without charge.

STEEL TRIMS, TYPES K, L, M AND N

Construction.—Steel trims are made from single pieces of No. 10 U. S. standard gauge sheet steel and are intended for mounting in vertical position.

Lock.—Doors are fitted with combination locks and spring catches, and where door is over 40 inches high, it is equipped with vault handle and shoot-bolts.

Finish.—Trims are painted both inside and outside with a dead black lacquer. A baked black enamel finish will be furnished at an advance of 20 per cent in the list price, if specifically ordered.

Type K door, for type AK (surface) cabinet, has a $\frac{3}{4}$ -inch flange around all four edges, overlapping the box. This form of construction makes the box dust-proof and provides a rigid door. The door is hinged directly to the box and, for this reason, should always be ordered with the box.

Type L trim, for type AL (flush) cabinet, has a $3\frac{1}{2}$ -inch mat on all four sides. This mat is cut from one piece of sheet steel, with door opening the same size as panel board. The door is in one piece and secured to the mat by flush butt hinges. An ornamental molding is welded around the edge of the door and overlaps the mat, thereby forming a rabbet.

Type M trim, for type BM (surface) cabinet, has a 4-inch mat on all four sides. This mat is cut from one piece of sheet steel, with the door opening the same size as panel board. The door is in one piece and secured to the mat by flush butt hinges. An ornamental molding is welded around the edge of the door and overlaps the mat, thereby forming a rabbet.

Type N trim, for type BN (flush) cabinet, has a $5\frac{1}{8}$ -inch mat on all four sides. This mat is cut from one piece of sheet steel with the door opening the same size as panel board. The door is in one piece and secured to the mat by flush butt hinges. An ornamental molding is welded around the edge of the door and overlaps the mat, thereby forming a rabbet.

TYPE T WOODEN TRIM, FOR TYPE BT (FLUSH) CABINETS

Construction.—Wooden trims are made of kiln-dried white oak, $\frac{7}{8}$ inch thick. The mat is $5\frac{5}{8}$ inches wide, made with square mortised joints, with door opening the same size as panel board. The door is made with square mortised joints at the corners and has wooden panel. The door sets flush with the mat and closes against a rabbet.

Lock.—Doors are fitted with combination locks with spring catches.

Finish.—Trims are painted on unfinished surfaces with dead black lacquer, and filled and varnished on the outside. A polished finish will be furnished at an advance of 15 per cent in the list price, if specifically ordered. Door knobs and escutcheons are finished in polished brass.

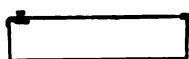
Lining.—Standard wooden trims, both mat and door, are lined with No. 16 gauge sheet steel, the door lining being finished in black enamel, the mat lining in dead black lacquer.

Glass Panel.—The use of a glass panel in door is not recommended, but, if specifically ordered, this trim will be furnished with a double-thick glass panel in door at an advance of 10 per cent; with plain plate glass, at an advance of 15 per cent; or with beveled plate glass, at an advance of 20 per cent.

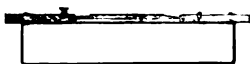
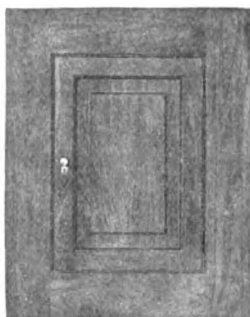
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS CABINETS

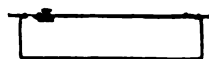
STEEL BOXES AND STEEL OR WOODEN TRIMS



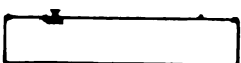
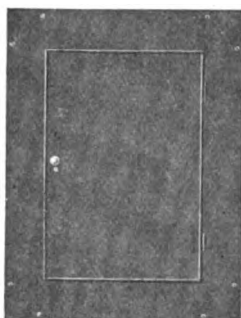
Type AK Cabinet
Combination of Type A Steel
Box and Type K Steel Door
For Surface Mounting



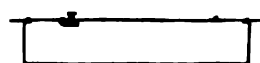
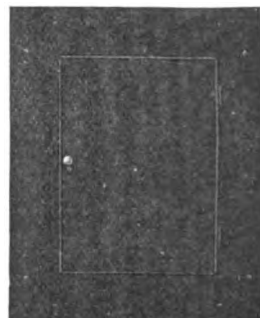
Type BT Cabinet
Combination of Type B Steel
Box and Type T Wooden Trim
For Flush Mounting



Type AL Cabinet
Combination of Type A Steel
Box and Type L Steel Trim
For Flush Mounting



Type BM Cabinet
Combination of Type B Steel
Box and Type M Steel Trim
For Surface Mounting



Type BN Cabinet
Combination of Type B Steel
Box and Type N Steel Trim
For Flush Mounting

Specify that cabinet is to be 6 inches in depth, if for use with a panel listed as 6 inches deep.

If slate frame is required, order should so state and give number of panel with which it is to be used.

In listings of panels, prices under heading "Panel with Cabinet" include panel complete with box and trim and slate frame, if one is required. Therefore, the price of a cabinet complete with slate frame is derived by deducting the price of the panel from the price of the panel with cabinet.

Example: Panel No. 50001 (list price \$4.10), deducted from panel with (type BM) cabinet (list price, \$20.10), leaves the list price of type BM cabinet, which is \$16.00 including slate frame.

The price of a cabinet without slate frame, where one is ordinarily supplied, is derived by deducting the price of the panel and price of slate frame from the price of the panel with cabinet.

Example: Panel No. 50001 (list price, \$4.10) plus slate frame (list price, \$3.00), deducted from panel with (type BM) cabinet (list price, \$20.10), leaves list price of type BM cabinet without slate frame, which is \$13.00.

The box reference (Box Ref.) appearing opposite every panel board listed is a key for ordering the proper cabinet, box or trim for use with that particular panel board.

Examples: To order a complete type BM cabinet for panel No. 50001, add to the panel's box reference, C8, the cabinet's type letters, BM, making C8BM.

To order a B box only, for panel No. 50001, add to the panel's box reference, C8, the box's type letter, B, making C8B.

To order an M trim only, for panel No. 5000, add to the panel's box reference, C8, the trim's type letter M, making C8M.

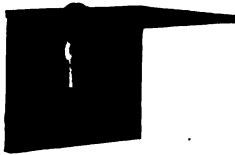
Prices for back gutter cabinets will be furnished upon request.

Prices for boxes and trims separately will be furnished upon request.

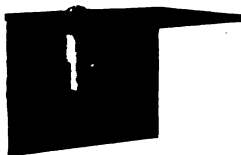
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS TRIM FASTENER

Makes Installing a Trim an Easy, One-Man Job



Position 1
Fastener wide open, as it should be when trim is about to be placed on box



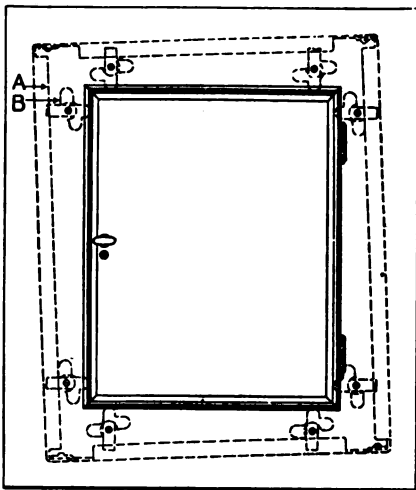
Position 2
Fastener brought into clamping position by turning the tightening screw



Position 3
Fastener clamped against box flange by further turning of tightening screw

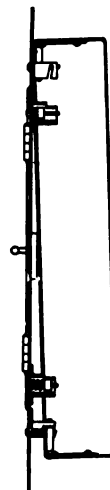
The chief advantages of this trim fastener are that it does away with screw holes and loose fastening screws; it provides for right and left side and back adjustments that permit mounting the trim absolutely plumb, even though the box be tilted, and one man can do the whole job, unless the trim is of great weight.

In mounting the trim fastener, it is first placed against the box so that the shells of the lower trim fasteners rest upon the bottom flange of the box. With the trim's weight thus supported, the side trim fasteners are tightened just enough to keep the trim from slipping while being centered, after which all fastening screws are made tight and the job is complete.



Trim Mounted Horizontally on Box
Set at Slight Angle

The maximum distance between shell of fastener and edge of box flange (A to B, in illustration) at which the fastener will grip is $\frac{3}{8}$ of an inch.



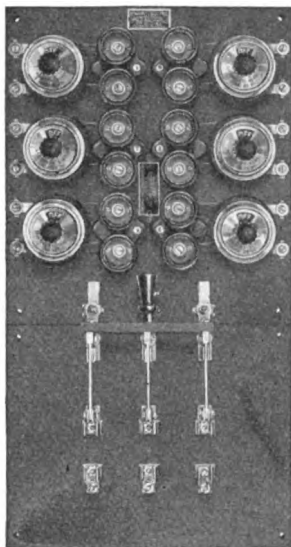
Trim Mounted Perpendicularly on Box,
the Bottom of Which is Set Back
from Face of Plaster

Fastener will care for such irregularities not exceeding $\frac{1}{8}$ of an inch.

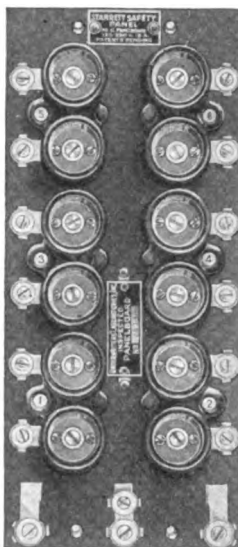
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STARRETT SAFETY PANELS

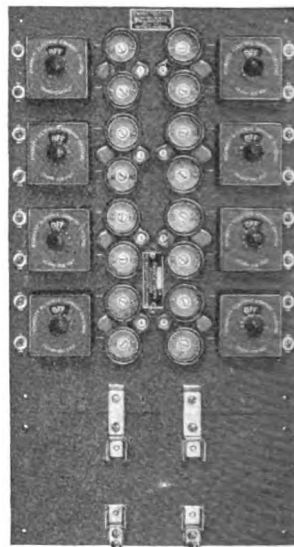
Patents Pending in United States and Canada



**Type S Panel having
Snap Switches with Polished
Copper Covers in Branches and
Fused Switch Terminal
Extension in Mains**



**Type R Panel with
Fuses only in Branches
and Lugs in Mains**



**Type S Panel having
Snap Switches with Composition
Covers in Branches and Two-pole
Fuse Terminal Extension
in Mains**

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Starrett Safety Panels are **standard unit panel boards**, having composition bases and enclosed bus bars. Each unit is packed in a separate labeled box suitable for carrying in stock.

The Safety Panel line consists of three distinct parts: First, the standard panel units, which are made in four sizes, namely, four, six, eight and ten circuits, with lugs only in the mains. Second, the terminal extensions, by means of which the standard panel units may be provided with fuses, knife switches or fused knife switches in the mains. Third, the composition frames.

Panels with Edison plug fuses only in branches and lugs only in mains are designated as Type R.

Panels with Edison plug fuses and switches in branches and lugs only in mains are designated as Type S.

Type S panels are arranged for three styles of branch switches. Rotary snap switches have either polished copper covers or square composition covers; push button switches have composition covers.

The panel bases are molded of strong, approved, fireproof insulating material. The bus bars are concealed in the base and are formed of hard drawn copper.

The fuse receptacles are made of porcelain, black finish, and so designed that they can be easily and quickly removed and replaced without interfering with the other circuits.

Each branch circuit receptacle is provided with a number plate which can be adjusted for either vertical or horizontal mounting of the panel.

The terminal extension bases are molded of approved composition and are provided with copper connectors for making connection to the panel units, as shown above. By means of these terminal extensions a standard safety panel unit may be provided with any main terminal arrangement desired.

The composition frames are $\frac{3}{8}$ -inch thick, slotted to receive branch circuit wires and arranged to telescope the panel. They are held rigidly in position by means of slotted corner irons so arranged that by loosening two wing nuts any side of the frame may be quickly adjusted or completely removed independently of the other sides.

Panel bases and terminal extension bases are finished in dead black, with metal parts highly polished and lacquered.

All Starrett Safety Panels are Inspected and Labeled Under the Supervision of the Underwriters' Laboratories.

STARRETT SAFETY PANELS

TYPE R PANELS

Mains—Lugs only, Branches—Edison Plug Fuse Receptacles

TWO TO TWO-WIRE, 125 VOLTS

Trade No.	Mfrs. No.	No of Circuits	Width	Size, INCHES Height	Depth	Wt. Lbs.	Price Each
121432	80104	4	5 $\frac{1}{8}$	8 $\frac{5}{8}$	2	3	\$6.40
121433	80106	6	5 $\frac{1}{8}$	11 $\frac{5}{8}$	2	4 $\frac{1}{4}$	8.60
121434	80108	8	5 $\frac{1}{8}$	14 $\frac{5}{8}$	2	5 $\frac{1}{2}$	10.70
121435	80110	10	5 $\frac{1}{8}$	17 $\frac{5}{8}$	2	6 $\frac{3}{4}$	12.70

THREE TO TWO-WIRE, 125-250 VOLTS

121436	80504	4	5 $\frac{1}{8}$	8 $\frac{5}{8}$	2	3	7.20
121437	80506	6	5 $\frac{1}{8}$	11 $\frac{5}{8}$	2	4 $\frac{1}{4}$	9.20
121438	80508	8	5 $\frac{1}{8}$	14 $\frac{5}{8}$	2	5 $\frac{1}{2}$	11.60
121439	80510	10	5 $\frac{1}{8}$	17 $\frac{5}{8}$	2	6 $\frac{3}{4}$	14.00

TYPE S PANELS

Mains—Lugs only. Branches—Edison Plug Fuse Receptacles and Switches

TWO TO TWO-WIRE, 125 VOLTS

With Rotary Snap Switches and Polished Copper Covers

121440	85204	4	10 $\frac{5}{8}$	8 $\frac{5}{8}$	2 $\frac{5}{8}$	6 $\frac{3}{4}$	11.70
121441	85206	6	10 $\frac{5}{8}$	11 $\frac{5}{8}$	2 $\frac{5}{8}$	9 $\frac{1}{2}$	16.40
121442	85208	8	10 $\frac{5}{8}$	14 $\frac{5}{8}$	2 $\frac{5}{8}$	12 $\frac{1}{2}$	21.20
121443	85210	10	10 $\frac{5}{8}$	17 $\frac{5}{8}$	2 $\frac{5}{8}$	14 $\frac{3}{4}$	25.70

With Rotary Snap Switches and Composition Covers

121444	85304	4	10 $\frac{5}{8}$	8 $\frac{5}{8}$	2 $\frac{7}{8}$	7 $\frac{1}{2}$	11.70
121445	85306	6	10 $\frac{5}{8}$	11 $\frac{5}{8}$	2 $\frac{7}{8}$	10 $\frac{1}{2}$	16.40
121446	85308	8	10 $\frac{5}{8}$	14 $\frac{5}{8}$	2 $\frac{7}{8}$	13 $\frac{3}{4}$	21.20
121447	85310	10	10 $\frac{5}{8}$	17 $\frac{5}{8}$	2 $\frac{7}{8}$	16 $\frac{1}{2}$	25.70

With Push Button Switches and Composition Covers

121448	85404	4	10 $\frac{5}{8}$	8 $\frac{5}{8}$	2 $\frac{1}{2}$	6 $\frac{1}{2}$	12.50
121449	85406	6	10 $\frac{5}{8}$	11 $\frac{5}{8}$	2 $\frac{1}{2}$	9	17.60
121450	85408	8	10 $\frac{5}{8}$	14 $\frac{5}{8}$	2 $\frac{1}{2}$	12	22.80
121451	85410	10	10 $\frac{5}{8}$	17 $\frac{5}{8}$	2 $\frac{1}{2}$	14 $\frac{1}{4}$	27.70

THREE TO TWO-WIRE, 125-250 VOLTS

With Rotary Snap Switches and Polished Copper Covers

121452	85604	4	10 $\frac{5}{8}$	8 $\frac{5}{8}$	2 $\frac{5}{8}$	6 $\frac{3}{4}$	12.50
121453	85606	6	10 $\frac{5}{8}$	11 $\frac{5}{8}$	2 $\frac{5}{8}$	9 $\frac{1}{2}$	17.00
121454	85608	8	10 $\frac{5}{8}$	14 $\frac{5}{8}$	2 $\frac{5}{8}$	12 $\frac{1}{2}$	22.10
121455	85610	10	10 $\frac{5}{8}$	17 $\frac{5}{8}$	2 $\frac{5}{8}$	14 $\frac{3}{4}$	27.00

With Rotary Snap Switches and Composition Covers

121456	85704	4	10 $\frac{5}{8}$	8 $\frac{5}{8}$	2 $\frac{7}{8}$	7 $\frac{1}{2}$	12.50
121457	85706	6	10 $\frac{5}{8}$	11 $\frac{5}{8}$	2 $\frac{7}{8}$	10 $\frac{1}{2}$	17.00
121458	85708	8	10 $\frac{5}{8}$	14 $\frac{5}{8}$	2 $\frac{7}{8}$	13 $\frac{3}{4}$	22.10
121459	85710	10	10 $\frac{5}{8}$	17 $\frac{5}{8}$	2 $\frac{7}{8}$	16 $\frac{1}{2}$	27.00

With Push Button Switches and Composition Covers

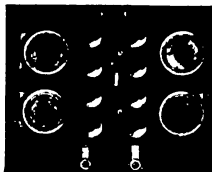
121460	85804	4	10 $\frac{5}{8}$	8 $\frac{5}{8}$	2 $\frac{1}{2}$	6 $\frac{1}{2}$	13.30
121461	85806	6	10 $\frac{5}{8}$	11 $\frac{5}{8}$	2 $\frac{1}{2}$	9	18.20
121462	85808	8	10 $\frac{5}{8}$	14 $\frac{5}{8}$	2 $\frac{1}{2}$	12	23.70
121463	85810	10	10 $\frac{5}{8}$	17 $\frac{5}{8}$	2 $\frac{1}{2}$	14 $\frac{1}{4}$	29.00

Above prices do not include fuses.

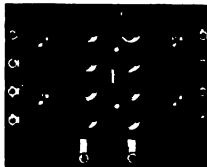
Prices upon application for panels over ten circuits.



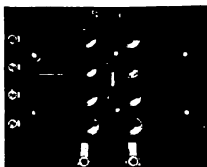
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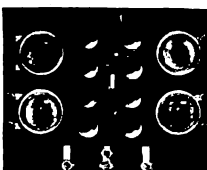
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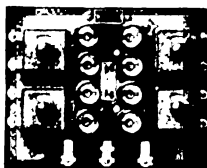
No. 85304



No. 85404



No. 85604



No. 85704



No. 85804

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

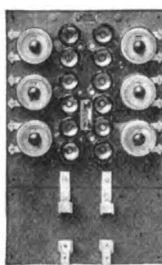
STARRETT SAFETY PANELS



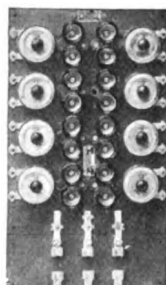
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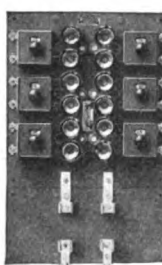
No. 81508



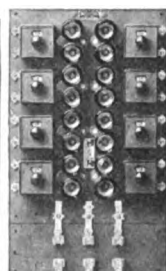
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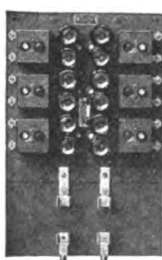
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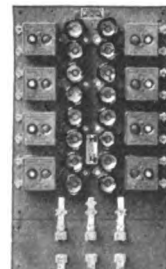
No. 86308



No. 86708



No. 86408



No. 86808

TYPE R PANELS

Mains:—N. E. C. S. Fuse Terminal Extensions

Branches:—Edison Plug Fuse Receptacles

Two to Two-wire, 125 Volts

Trade No.	Mfrs. No.	No. of Circuits	Size, Inches Width	Size, Inches Height	Box Depth	Wt. Lbs.	Price Each
134661	81104	4	5 $\frac{1}{8}$	12 $\frac{3}{8}$	3 $\frac{5}{8}$	4 $\frac{1}{4}$	\$ 7.90
134662	81106	6	5 $\frac{1}{8}$	16 $\frac{3}{8}$	3 $\frac{5}{8}$	5 $\frac{1}{2}$	10.40
134663	81108	8	5 $\frac{1}{8}$	19 $\frac{3}{8}$	3 $\frac{5}{8}$	6 $\frac{3}{4}$	12.50
134664	81110	10	5 $\frac{1}{8}$	22 $\frac{3}{8}$	3 $\frac{5}{8}$	8	14.50

Three to Two-wire

134665	81504	4	5 $\frac{1}{8}$	12 $\frac{3}{8}$	3 $\frac{5}{8}$	4 $\frac{1}{4}$	9.50
134666	81506	6	5 $\frac{1}{8}$	15 $\frac{3}{8}$	3 $\frac{5}{8}$	5 $\frac{1}{2}$	11.50
134667	81508	8	5 $\frac{1}{8}$	18 $\frac{3}{8}$	3 $\frac{5}{8}$	6 $\frac{3}{4}$	13.90
134668	81510	10	5 $\frac{1}{8}$	21 $\frac{3}{8}$	3 $\frac{5}{8}$	8	16.30

TYPE S PANELS

Mains:—N. E. C. S. Fuse Terminal Extensions

Branches:—Edison Plug Fuse Receptacles and Switches

SNAP SWITCHES WITH POLISHED COPPER COVERS

Two to Two-wire, 125 Volts

134669	86204	4	10 $\frac{5}{8}$	12 $\frac{3}{8}$	3 $\frac{5}{8}$	9	13.20
134670	86206	6	10 $\frac{5}{8}$	16 $\frac{3}{8}$	3 $\frac{5}{8}$	12 $\frac{1}{2}$	18.20
134671	86208	8	10 $\frac{5}{8}$	19 $\frac{3}{8}$	3 $\frac{5}{8}$	15 $\frac{1}{2}$	23.00
134672	86210	10	10 $\frac{5}{8}$	22 $\frac{3}{8}$	3 $\frac{5}{8}$	17 $\frac{3}{4}$	27.50

Three to Two-wire, 125-250 Volts

134673	86604	4	10 $\frac{5}{8}$	12 $\frac{3}{8}$	3 $\frac{5}{8}$	9	14.80
134674	86606	6	10 $\frac{5}{8}$	15 $\frac{3}{8}$	3 $\frac{5}{8}$	11 $\frac{3}{4}$	19.30
134675	86608	8	10 $\frac{5}{8}$	18 $\frac{3}{8}$	3 $\frac{5}{8}$	14 $\frac{3}{4}$	24.40
134676	86610	10	10 $\frac{5}{8}$	21 $\frac{3}{8}$	3 $\frac{5}{8}$	17	29.30

SNAP SWITCHES WITH COMPOSITION COVERS

Two to Two-wire, 125 Volts

134677	86304	4	10 $\frac{5}{8}$	12 $\frac{3}{8}$	3 $\frac{5}{8}$	9 $\frac{3}{4}$	13.20
134678	86306	6	10 $\frac{5}{8}$	16 $\frac{3}{8}$	3 $\frac{5}{8}$	13 $\frac{1}{2}$	18.20
134679	86308	8	10 $\frac{5}{8}$	19 $\frac{3}{8}$	3 $\frac{5}{8}$	16 $\frac{3}{4}$	23.00
134680	86310	10	10 $\frac{5}{8}$	22 $\frac{3}{8}$	3 $\frac{5}{8}$	19 $\frac{1}{2}$	27.50

Three to Two-wire, 125-250 Volts

134681	86704	4	10 $\frac{5}{8}$	12 $\frac{3}{8}$	3 $\frac{5}{8}$	9 $\frac{3}{4}$	14.80
134682	86706	6	10 $\frac{5}{8}$	15 $\frac{3}{8}$	3 $\frac{5}{8}$	12 $\frac{3}{4}$	19.30
134683	86708	8	10 $\frac{5}{8}$	18 $\frac{3}{8}$	3 $\frac{5}{8}$	16	24.40
134684	86710	10	10 $\frac{5}{8}$	21 $\frac{3}{8}$	3 $\frac{5}{8}$	18 $\frac{3}{4}$	29.30

PUSH SWITCHES WITH COMPOSITION COVERS

Two to Two-wire, 125 Volts

134685	86404	4	10 $\frac{5}{8}$	12 $\frac{3}{8}$	3 $\frac{5}{8}$	8 $\frac{3}{4}$	14.00
134686	86406	6	10 $\frac{5}{8}$	16 $\frac{3}{8}$	3 $\frac{5}{8}$	12	19.40
134687	86408	8	10 $\frac{5}{8}$	19 $\frac{3}{8}$	3 $\frac{5}{8}$	15	24.60
134688	86410	10	10 $\frac{5}{8}$	22 $\frac{3}{8}$	3 $\frac{5}{8}$	17 $\frac{1}{4}$	29.50

Three to 2-wire, 125-250 Volts

134689	86804	4	10 $\frac{5}{8}$	12 $\frac{3}{8}$	3 $\frac{5}{8}$	8 $\frac{3}{4}$	15.60
134690	86806	6	10 $\frac{5}{8}$	15 $\frac{3}{8}$	3 $\frac{5}{8}$	11 $\frac{1}{4}$	20.50
134691	86808	8	10 $\frac{5}{8}$	18 $\frac{3}{8}$	3 $\frac{5}{8}$	14 $\frac{1}{4}$	26.00
134692	86810	10	10 $\frac{5}{8}$	21 $\frac{3}{8}$	3 $\frac{5}{8}$	16 $\frac{1}{2}$	31.30

Panels over 10 circuits, prices on application.

Above prices do not include fuses.

Steel cabinets are listed on following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STARRETT SAFETY PANELS

TYPE R PANELS

Mains—Knife Switch Terminal Extensions

Branches—Edison Plug Fuse Receptacles

Two to Two-wire, 125 Volts

Trade No.	Mfrs. No.	No. of Circuits	Size, Inches Width	Size, Inches Height	Depth of Box	Wt. Lbs.	Price Each
134714	82104	4	5 $\frac{1}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	5	\$10.70
134715	82106	6	5 $\frac{1}{8}$	22	3 $\frac{5}{8}$	6 $\frac{3}{4}$	13.80
134716	82108	8	5 $\frac{1}{8}$	25	3 $\frac{5}{8}$	8	15.90
134717	82110	10	5 $\frac{1}{8}$	28	3 $\frac{5}{8}$	9 $\frac{1}{4}$	17.90

Three to Two-wire, 125-250 Volts

134718	82504	4	5 $\frac{1}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	5 $\frac{1}{4}$	13.70
134719	82506	6	5 $\frac{1}{8}$	20 $\frac{1}{8}$	3 $\frac{5}{8}$	6 $\frac{1}{2}$	15.70
134720	82508	8	5 $\frac{1}{8}$	23 $\frac{1}{8}$	3 $\frac{5}{8}$	7 $\frac{3}{4}$	18.10
134721	82510	10	5 $\frac{1}{8}$	26 $\frac{1}{8}$	3 $\frac{5}{8}$	9	20.50



No. 82104



No. 82504

TYPE S PANELS

Mains—Knife Switch Terminal Extensions

Branches—Edison Plug Fuse Receptacles and Switches

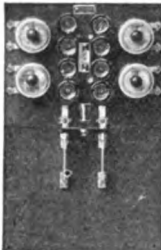
SNAP SWITCHES WITH POLISHED COPPER COVERS

Two to Two-wire, 125 Volts

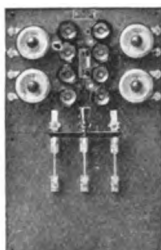
134722	87204	4	10 $\frac{5}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	10 $\frac{3}{4}$	16.00
134723	87206	6	10 $\frac{5}{8}$	22	3 $\frac{5}{8}$	14 $\frac{1}{2}$	21.60
134724	87208	8	10 $\frac{5}{8}$	25	3 $\frac{5}{8}$	17 $\frac{1}{2}$	26.40
134725	87210	10	10 $\frac{5}{8}$	28	3 $\frac{5}{8}$	19 $\frac{3}{4}$	30.90

Three to Two-wire, 125-250 Volts

134726	87604	4	10 $\frac{5}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	11	19.00
134727	87606	6	10 $\frac{5}{8}$	20 $\frac{1}{8}$	3 $\frac{5}{8}$	13 $\frac{3}{4}$	23.50
134728	87608	8	10 $\frac{5}{8}$	23 $\frac{1}{8}$	3 $\frac{5}{8}$	16 $\frac{3}{4}$	28.60
134729	87610	10	10 $\frac{5}{8}$	26 $\frac{1}{8}$	3 $\frac{5}{8}$	19	33.50



No. 87204



No. 87604

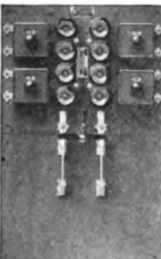
SNAP SWITCHES WITH COMPOSITION COVERS

Two to Two-wire, 125 Volts

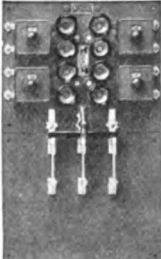
134730	87304	4	10 $\frac{5}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	11 $\frac{1}{2}$	16.00
134731	87306	6	10 $\frac{5}{8}$	22	3 $\frac{5}{8}$	15 $\frac{1}{2}$	21.60
134732	87308	8	10 $\frac{5}{8}$	25	3 $\frac{5}{8}$	18 $\frac{3}{4}$	26.40
134733	87310	10	10 $\frac{5}{8}$	28	3 $\frac{5}{8}$	21 $\frac{1}{2}$	30.90

Three to Two-wire, 125-250 Volts

134734	87704	4	10 $\frac{5}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	11 $\frac{3}{4}$	19.00
134735	87706	6	10 $\frac{5}{8}$	20 $\frac{1}{8}$	3 $\frac{5}{8}$	14 $\frac{3}{4}$	23.50
134736	87708	8	10 $\frac{5}{8}$	23 $\frac{1}{8}$	3 $\frac{5}{8}$	18	28.60
134737	87710	10	10 $\frac{5}{8}$	26 $\frac{1}{8}$	3 $\frac{5}{8}$	20 $\frac{3}{4}$	33.50



No. 87304



No. 87704

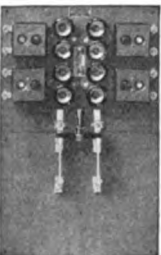
PUSH SWITCHES WITH COMPOSITION COVERS

Two to Two-wire, 125 Volts

134738	87404	4	10 $\frac{5}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	10 $\frac{1}{2}$	16.80
134739	87406	6	10 $\frac{5}{8}$	22	3 $\frac{5}{8}$	14	22.80
134740	87408	8	10 $\frac{5}{8}$	25	3 $\frac{5}{8}$	17	28.00
134741	87410	10	10 $\frac{5}{8}$	28	3 $\frac{5}{8}$	19 $\frac{1}{4}$	32.90

Three to Two-wire, 125-250 Volts

134742	87804	4	10 $\frac{5}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	10 $\frac{3}{4}$	19.80
134743	87806	6	10 $\frac{5}{8}$	20 $\frac{1}{8}$	3 $\frac{5}{8}$	13 $\frac{1}{4}$	24.70
134744	87808	8	10 $\frac{5}{8}$	23 $\frac{1}{8}$	3 $\frac{5}{8}$	16 $\frac{1}{4}$	30.20
134745	87810	10	10 $\frac{5}{8}$	26 $\frac{1}{8}$	3 $\frac{5}{8}$	18 $\frac{1}{2}$	35.50



No. 87404



No. 87804

Panels over 10 circuits, prices on application.
Above prices do not include fuses.

Steel cabinets are listed on following pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STARRETT SAFETY PANELS



No. 83104



No. 83504

TYPE R PANELS

Mains—Knife Switch and N. E. C. S. Fuse Terminal Extensions

Branches—Edison Plug Fuse Receptacles

Two to Two-wire, 125 Volts

Trade No.	Mfrs. No.	No. of Circuits	Size, Inches Width	Height	Depth of Box	Wt. Lbs.	Price Each
134766	83104	4	5 $\frac{1}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	5 $\frac{1}{2}$	\$12.10
134767	83106	6	5 $\frac{1}{8}$	22	4 $\frac{1}{8}$	7 $\frac{1}{2}$	15.20
134768	83108	8	5 $\frac{1}{8}$	25	4 $\frac{1}{8}$	8 $\frac{3}{4}$	17.30
134769	83110	10	5 $\frac{1}{8}$	28	4 $\frac{1}{8}$	10	19.30

Three to Two-wire, 125-250 Volts

134770	83504	4	5 $\frac{1}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	5 $\frac{1}{2}$	15.80
134771	83506	6	5 $\frac{1}{8}$	20 $\frac{1}{8}$	3 $\frac{5}{8}$	6 $\frac{3}{4}$	17.80
134772	83508	8	5 $\frac{1}{8}$	23 $\frac{1}{8}$	3 $\frac{5}{8}$	8	20.20
134773	83510	10	5 $\frac{1}{8}$	26 $\frac{1}{8}$	3 $\frac{5}{8}$	9 $\frac{1}{4}$	22.60

TYPE S PANELS

Mains—Knife Switch and N. E. C. S. Fuse Terminal Extensions

Branches—Edison Plug Fuse Receptacles and Switches

SNAP SWITCHES WITH POLISHED COPPER COVERS

Two to Two-wire, 125 Volts

134774	88204	4	10 $\frac{5}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	11 $\frac{1}{4}$	17.40
134775	88206	6	10 $\frac{5}{8}$	22	4 $\frac{1}{8}$	15 $\frac{1}{2}$	23.00
134776	88208	8	10 $\frac{5}{8}$	25	4 $\frac{1}{8}$	18 $\frac{1}{2}$	27.80
134777	88210	10	10 $\frac{5}{8}$	28	4 $\frac{1}{8}$	20 $\frac{3}{4}$	32.30

Three to Two-wire, 125-250 Volts

134778	88604	4	10 $\frac{5}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	11 $\frac{1}{2}$	21.10
134779	88606	6	10 $\frac{5}{8}$	20 $\frac{1}{8}$	3 $\frac{5}{8}$	14 $\frac{1}{4}$	25.60
134780	88608	8	10 $\frac{5}{8}$	23 $\frac{1}{8}$	3 $\frac{5}{8}$	17 $\frac{1}{4}$	30.70
134781	88610	10	10 $\frac{5}{8}$	26 $\frac{1}{8}$	3 $\frac{5}{8}$	19 $\frac{1}{2}$	35.60

SNAP SWITCHES WITH COMPOSITION COVERS

Two to Two-wire, 125 Volts

134782	88304	4	10 $\frac{5}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	12	17.40
134783	88306	6	10 $\frac{5}{8}$	22	4 $\frac{1}{8}$	16 $\frac{1}{2}$	23.00
134784	88308	8	10 $\frac{5}{8}$	25	4 $\frac{1}{8}$	19 $\frac{3}{4}$	27.80
134785	88310	10	10 $\frac{5}{8}$	28	4 $\frac{1}{8}$	22 $\frac{1}{2}$	32.30

Three to Two-wire, 125-250 Volts

134786	88704	4	10 $\frac{5}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	12 $\frac{1}{4}$	21.10
134787	88706	6	10 $\frac{5}{8}$	20 $\frac{1}{8}$	3 $\frac{5}{8}$	15 $\frac{1}{4}$	25.60
134788	88708	8	10 $\frac{5}{8}$	23 $\frac{1}{8}$	3 $\frac{5}{8}$	18 $\frac{1}{2}$	30.70
134789	88710	10	10 $\frac{5}{8}$	26 $\frac{1}{8}$	3 $\frac{5}{8}$	21 $\frac{1}{4}$	35.60

PUSH SWITCHES WITH COMPOSITION COVERS

Two to Two-wire, 125 Volts

134790	88404	4	10 $\frac{5}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	11	18.20
134791	88406	6	10 $\frac{5}{8}$	22	4 $\frac{1}{8}$	15	24.20
134792	88408	8	10 $\frac{5}{8}$	25	4 $\frac{1}{8}$	18	29.40
134793	88410	10	10 $\frac{5}{8}$	28	4 $\frac{1}{8}$	20 $\frac{1}{4}$	34.30

Three to Two-wire, 125-250 Volts

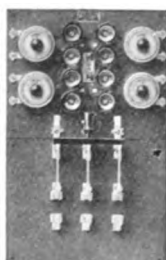
134794	88804	4	10 $\frac{5}{8}$	17 $\frac{1}{8}$	3 $\frac{5}{8}$	11 $\frac{1}{4}$	21.90
134795	88806	6	10 $\frac{5}{8}$	20 $\frac{1}{8}$	3 $\frac{5}{8}$	13 $\frac{3}{4}$	26.80
134796	88808	8	10 $\frac{5}{8}$	23 $\frac{1}{8}$	3 $\frac{5}{8}$	16 $\frac{3}{4}$	32.30
134797	88810	10	10 $\frac{5}{8}$	26 $\frac{1}{8}$	3 $\frac{5}{8}$	19	37.60

Panels over 10 circuits, prices on application.
Above prices do not include fuses.

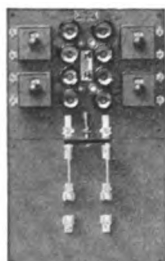
Steel cabinets are listed on following pages.



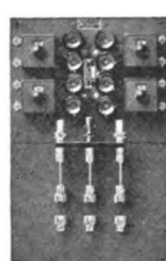
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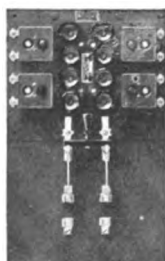
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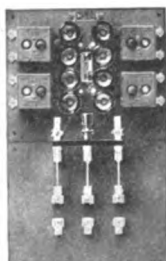
No. 88304



No. 88704



No. 88404



No. 88804

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STARRETT SAFETY PANELS



No. 81932

TYPE R TERMINAL EXTENSIONS

TWO AND THREE-WIRE, FOR USE WITH TYPE R PANELS

Main N. E. C. Fuses

Trade No.	Mfrs. No.	Amperes	No. of Poles	Width	Size, Inches Height	Depth	Wt. Lbs.	Price Each
121475	81932	30	2	5 $\frac{1}{8}$	3 $\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{4}$	\$1.50
121476	81933	30	3	5 $\frac{1}{8}$	3 $\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{4}$	2.30
121477	81962	60	2	5 $\frac{1}{8}$	5	1 $\frac{5}{8}$	1 $\frac{1}{4}$	1.80



No. 82932

Main Knife Switches

121481	82932	30	2	5 $\frac{1}{8}$	8 $\frac{1}{2}$	1 $\frac{1}{8}$	2	4.30
121482	82933	30	3	5 $\frac{1}{8}$	8 $\frac{1}{2}$	1 $\frac{1}{8}$	2 $\frac{1}{4}$	6.50
121483	82962	60	2	5 $\frac{1}{8}$	10 $\frac{3}{8}$	1 $\frac{5}{8}$	2 $\frac{1}{2}$	5.20



No. 83932

Main Knife Switches with N. E. C. Fuses

121487	83932	30	2	5 $\frac{1}{8}$	8 $\frac{1}{2}$	2 $\frac{1}{4}$	2 $\frac{1}{2}$	5.70
121488	83933	30	3	5 $\frac{1}{8}$	8 $\frac{1}{2}$	2 $\frac{1}{4}$	2 $\frac{1}{2}$	8.60
121489	83962	60	2	5 $\frac{1}{8}$	10 $\frac{3}{8}$	2 $\frac{3}{8}$	3 $\frac{1}{4}$	6.60

TYPE S TERMINAL EXTENSIONS

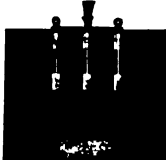
TWO AND THREE-WIRE, FOR USE WITH TYPE S PANELS

Main N. E. C. Fuses

121490	86932	30	2	10 $\frac{5}{8}$	3 $\frac{3}{4}$	1 $\frac{5}{8}$	2 $\frac{1}{4}$	1.50
121491	86933	30	3	10 $\frac{5}{8}$	3 $\frac{3}{4}$	1 $\frac{5}{8}$	2 $\frac{1}{4}$	2.30
121492	86962	60	2	10 $\frac{5}{8}$	5	1 $\frac{5}{8}$	3	1.80



No. 86932



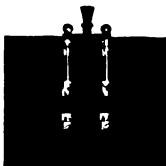
No. 87932

Main Knife Switches

121496	87932	30	2	10 $\frac{5}{8}$	8 $\frac{1}{2}$	1 $\frac{7}{8}$	4	4.30
121497	87933	30	3	10 $\frac{5}{8}$	8 $\frac{1}{2}$	1 $\frac{7}{8}$	4 $\frac{1}{4}$	6.50
121498	87962	60	2	10 $\frac{5}{8}$	10 $\frac{3}{8}$	2 $\frac{1}{4}$	5	5.20

Main Knife Switches with N. E. C. Fuses

121502	88932	30	2	10 $\frac{5}{8}$	8 $\frac{1}{2}$	2 $\frac{1}{4}$	4 $\frac{1}{2}$	5.70
121503	88933	30	3	10 $\frac{5}{8}$	8 $\frac{1}{2}$	2 $\frac{1}{4}$	4 $\frac{3}{4}$	8.60
121504	38962	60	2	10 $\frac{5}{8}$	10 $\frac{3}{8}$	2 $\frac{3}{4}$	6	6.60



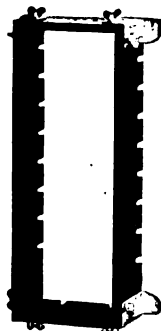
No. 88932

Above prices do not include fuses.

Prices upon application for terminal extensions over 60 amperes.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STARRETT COMPOSITION FRAMES



No. 80048

FOR USE WITH 2-WIRE PANELS

TYPE R							TYPE S								
For Panels with Lugs only in Mains							For Panels with Lugs only in Mains								
Trade No.	Mfrs. No.	No.	SIZE, INCHES INSIDE		Depth Cabinet	Wt. Lbs.	Price Each	Trade No.	Mfrs. No.	No.	SIZE, INCHES INSIDE		Depth Cabinet	Wt. Lbs.	Price Each
			Cir.	Width	Ht.						Cir.	Width	Ht.		
121516	80044	4	5 1/8	8 5/8	3 5/8	3 1/4	\$3.40	121540	85044	4	10 5/8	8 5/8	3 5/8	4 1/4	\$3.70
121517	80046	6	5 1/8	11 5/8	3 5/8	3 3/4	3.60	121541	85046	6	10 5/8	11 5/8	3 5/8	4 3/4	3.90
121518	80048	8	5 1/8	14 5/8	3 5/8	4 1/4	4.00	121542	85048	8	10 5/8	14 5/8	3 5/8	5 1/4	4.30
121519	80050	10	5 1/8	17 5/8	3 5/8	4 3/4	4.20	121543	85050	10	10 5/8	17 5/8	3 5/8	5 3/4	4.50
For Panels with N. E. C. Fuse Terminal Extensions															
121520	81044	4	5 1/8	12 3/8	3 5/8	4	3.60	121544	86044	4	10 5/8	12 3/8	3 5/8	4 3/4	3.90
12 521	81046	6	5 1/8	16 5/8	3 5/8	4 1/2	4.00	121545	86046	6	10 5/8	16 5/8	3 5/8	5 1/2	4.30
121522	81048	8	5 1/8	19 5/8	3 5/8	5	4.20	121546	86048	8	10 5/8	19 5/8	3 5/8	6	4.50
121523	81050	10	5 1/8	22 5/8	3 5/8	5 1/2	4.60	121547	86050	10	10 5/8	22 5/8	3 5/8	6 1/2	4.90
For Panels with Knife Switch Terminal Extensions															
121524	82044	4	5 1/8	17 1/8	3 5/8	4 3/4	4.00	121548	87044	4	10 5/8	17 1/8	3 5/8	5 3/4	4.30
121525	82046	6	5 1/8	22	3 5/8	5 1/2	4.40	121549	87046	6	10 5/8	22	3 5/8	6 1/2	4.70
121526	82048	8	5 1/8	25	3 5/8	6	4.80	121550	87048	8	10 5/8	25	3 5/8	7	5.10
121527	82050	10	5 1/8	28	3 5/8	6 1/2	5.00	121551	87050	10	10 5/8	28	3 5/8	7 1/2	5.20
For Panels with Knife Switch and N. E. C. Fuse Terminal Extensions															
121524	82044	4	5 1/8	17 1/8	3 5/8	4 3/4	4.00	121548	87044	4	10 5/8	17 1/8	3 5/8	5 3/4	4.30
121567	83046	6	5 1/8	22	4 1/8	6	4.40	121552	88046	6	10 5/8	22	4 1/8	7 1/4	4.70
121568	83048	8	5 1/8	25	4 1/8	6 1/2	4.80	121553	88048	8	10 5/8	25	4 1/8	7 3/4	5.10
121569	83050	10	5 1/8	28	4 1/8	7	5.00	121554	88050	10	10 5/8	28	4 1/8	8 1/4	5.20

FOR USE WITH 3-WIRE PANELS

TYPE R								TYPE S							
For Panels with Lugs only in Mains								For Panels with Lugs only in Mains							
121528	80074	4	5 1/8	8 5/8	3 3/8	3 1/4	3.50	121555	85074	4	10 5/8	8 5/8	3 3/8	4 1/4	3.90
121529	80076	6	5 1/8	11 5/8	3 3/8	3 3/4	3.70	121556	85076	6	10 5/8	11 5/8	3 3/8	4 3/4	4.10
121530	80078	8	5 1/8	14 5/8	3 3/8	4 1/4	4.10	121557	85078	8	10 5/8	14 5/8	3 3/8	5 1/4	4.50
121531	80080	10	5 1/8	17 5/8	3 3/8	4 3/4	4.30	121558	85080	10	10 5/8	17 5/8	3 3/8	5 3/4	4.70
For Panels with N. E. C. Fuse Terminal Extensions								For Panels with N. E. C. Fuse Terminal Extensions							
121532	81074	4	5 1/8	12 3/8	3 3/8	4	3.70	121559	86074	4	10 5/8	12 3/8	3 3/8	4 3/4	4.10
121533	81076	6	5 1/8	15 3/8	3 3/8	4 1/2	3.90	121560	86076	6	10 5/8	15 3/8	3 3/8	5 1/2	4.30
121534	81078	8	5 1/8	18 3/8	3 3/8	5	4.30	121561	86078	8	10 5/8	18 3/8	3 3/8	6	4.70
121535	81080	10	5 1/8	21 3/8	3 3/8	5 1/2	4.50	121562	86080	10	10 5/8	21 3/8	3 3/8	6 1/2	4.90
For Panels with Knife Switch Terminal Extensions								For Panels with Knife Switch Terminal Extensions							
121536	82074	4	5 1/8	17 1/8	3 3/8	4 3/4	4.10	121563	87074	4	10 5/8	17 1/8	3 3/8	5 3/4	4.50
121537	82076	6	5 1/8	20 1/8	3 3/8	5 1/4	4.30	121564	87076	6	10 5/8	20 1/8	3 3/8	6 1/4	4.70
121538	82078	8	5 1/8	23 1/8	3 3/8	5 3/4	4.70	121565	87078	8	10 5/8	23 1/8	3 3/8	6 3/4	5.10
121539	82080	10	5 1/8	26 1/8	3 3/8	6 1/4	4.90	121566	87080	10	10 5/8	26 1/8	3 3/8	7 1/4	5.20
For Panels with Knife Switch and N. E. C. Fuse Terminal Extensions								For Panels with Knife Switch and N. E. C. Fuse Terminal Extensions							
121536	82074	4	5 1/8	17 1/8	3 3/8	4 3/4	4.10	121563	87074	4	10 5/8	17 1/8	3 3/8	5 3/4	4.50
121537	82076	6	5 1/8	20 1/8	3 3/8	5 1/4	4.30	121564	87076	6	10 5/8	20 1/8	3 3/8	6 1/4	4.70
121538	82078	8	5 1/8	23 1/8	3 3/8	5 3/4	4.70	121565	87078	8	10 5/8	23 1/8	3 3/8	6 3/4	5.10
121539	82080	10	5 1/8	26 1/8	3 3/8	6 1/4	4.90	121566	87080	10	10 5/8	26 1/8	3 3/8	7 1/4	5.20

Prices quoted upon application for composition frames over ten circuits.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CABINETS FOR STARRETT SAFETY PANELS



Style J Surface
Mounting Cabinet

Box CONSTRUCTION: Boxes for Starrett Safety Panels up to and including ten circuit panels with terminal extensions, are formed from one piece of No. 14 U. S. Standard Gauge sheet steel, overlapped and riveted at the corners. Boxes are regularly equipped with knock-outs for 1/2-inch iron conduit. Finish is dead black.

Style J Cabinet is for surface mounting, and consists of box with door. The latter has flange all around overlapping the box, is of one-piece steel, and is hinged directly to the box. Cabinet sizes are arranged to allow approximately a two-inch space for wiring gutter around panel. Door is equipped with spring catch and knob. Finish is dead black.

Style K Box is for either surface or flush mounting. Sizes are arranged to allow a three-inch wiring gutter around panel. Prices do not include trim. Finish is dead black.



Style K Flush or Sur-
face Mounting Box

*REFERENCE TABLE

Starrett Panel Numbers and Corresponding Cabinet Reference Numbers
For Cabinet Sizes and Prices, See Next Page

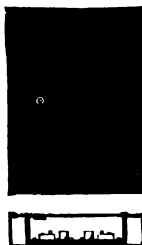
The cabinet reference numbers below are divided into two series to indicate cabinets accommodating or not accommodating composition frames. The first column includes those numbers which refer to cabinets arranged for two-inch space around panel, and taking panels without composition frames. The second column includes numbers which refer to cabinets arranged for three-inch wiring gutter, and taking panels with composition frames.

CABINET			CABINET			CABINET		
Starrett Panel Cat. No.	REFERENCE NUMBERS 2-in. Gutter no Frame	3-in. Gutter for Frame	Starrett Panel Cat. No.	REFERENCE NUMBERS 2-in. Gutter no Frame	3-in. Gutter for Frame	Starrett Panel Cat. No.	REFERENCE NUMBERS 2-in. Gutter no Frame	3-in. Gutter for Frame
80104	301	401	85604	315	422	87404	318	428
80106	302	402	85606	316	423	87406	321	434
80108	303	404	85608	317	425	87408	324	438
80110	305	408	85610	319	429	87410	327	441
80504	301	401	85704	315	422	87604	318	428
80506	302	402	85706	316	423	87606	320	432
80508	303	404	85708	317	425	87608	323	437
80510	305	408	85710	319	429	87610	326	440
81104	302	403	85804	315	422	87704	318	428
81106	304	406	85806	316	423	87706	320	432
81108	306	410	85808	317	425	87708	323	437
81110	309	415	85810	319	429	87710	326	440
81504	302	403	86204	316	424	87804	318	428
81506	303	405	86206	318	427	87806	320	432
81508	305	409	86208	320	431	87808	323	437
81510	307	412	86210	323	436	87810	326	440
82104	304	407	86304	316	424	88204	318	428
82106	307	413	86306	318	427	88206	322	435
82108	310	417	86308	320	431	88208	325	439
82110	313	420	86310	323	436	88210	328	442
82504	304	407	86404	316	424	88304	318	428
82506	306	411	86406	318	427	88306	322	435
82508	309	415	86408	320	431	88308	325	439
82510	312	419	86410	323	436	88310	328	442
83104	304	407	86604	316	424	88404	318	428
83106	308	414	86606	317	426	88406	322	435
83108	311	418	86608	319	430	88408	325	439
83110	314	421	86610	321	433	88410	328	442
83504	304	407	86704	316	424	88604	318	428
83506	306	411	86706	317	426	88606	320	432
83508	309	416	86708	319	430	88608	323	437
83510	312	419	86710	321	433	88610	326	440
85204	315	422	86804	316	424	88704	318	428
85206	316	423	86806	317	426	88706	320	432
85208	317	425	86808	319	430	88708	323	437
85210	319	429	86810	321	433	88710	326	440
85304	315	422	87204	318	428	88804	318	428
85306	316	423	87206	321	434	88806	320	432
85308	317	425	87208	324	438	88808	323	437
85310	319	429	87210	327	441	88810	326	440
85404	315	422	87304	318	428	.....	...	...
85406	316	423	87306	321	434	.....	...	...
85408	317	425	87308	324	438	.....	...	...
85410	319	429	87310	327	441	.....	...	...

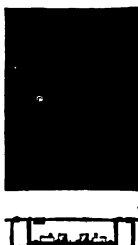
*When ordering cabinets, give both style letter and cabinet reference number; the two together constitute cabinet catalogue number.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CABINETS FOR STARRETT SAFETY PANELS



Style L
Surface Mounting Cabinet
Steel Trim



Style M
Flush Mounting Cabinet
Steel Trim



Style N
Flush Mounting Cabinet
Wood Trim

TRIM CONSTRUCTION: Steel Trim has mat cut from one piece of No. 12 U. S. Standard Gauge sheet steel, with door opening same size as panel board. Door is of one piece, with steel molding around the edge overlapping mat, and is secured to trim by flush hinges. Door is equipped with combination spring catch and lock. Sufficient space is maintained between door and panel to render use of door linings unnecessary. Finish is dead black. Wood trim is described under Style N.

Style L Cabinet is for surface mounting, and consists of Style K box with steel trim. Sizes are arranged to allow three inch wiring gutter around panel. Finish is dead black.

Style M Cabinet is similar to Style L, except trim has overlap for flush mounting.

Style N Cabinet has Wood Trim, together with Style K box arranged for three inch wiring gutter. The mat of trim has door opening same size as panel board. Door sets flush with mat and closes against a rabbet. Wood trim, both mat and door, is lined with No. 16 gauge steel, finished dead black. Trim is of oak, natural finish, filled and varnished on outside. Box is finished dead black.

*LIST PRICES OF CABINETS

Style Letter and Cabinet Reference Number Constitute Catalogue Number
For Example, J301 is the Catalogue Number of the First Box Listed Below

Reference Number					Reference Number					List Prices and Styles			
SIZES IN INCHES					SIZES IN INCHES								
Number	Width	Height	Depth	Style J	Number	Width	Height	Depth	K	L	M	N	
301	9	13	3 $\frac{5}{8}$	\$7.35	401	12	15 $\frac{1}{2}$	3 $\frac{5}{8}$	\$3.45	\$11.50	\$11.50	\$14.90	
302	9	16	3 $\frac{5}{8}$	8.00	402	12	18 $\frac{1}{2}$	3 $\frac{5}{8}$	3.75	12.10	12.10	16.10	
303	9	19	3 $\frac{5}{8}$	8.30	403	12	19 $\frac{1}{2}$	3 $\frac{5}{8}$	3.80	12.35	12.35	16.50	
304	9	21	3 $\frac{5}{8}$	8.60	404	12	21 $\frac{1}{2}$	3 $\frac{5}{8}$	4.10	12.90	12.90	17.30	
305	9	22	3 $\frac{5}{8}$	8.90	405	12	22 $\frac{1}{2}$	3 $\frac{5}{8}$	4.20	13.10	13.10	17.70	
306	9	24	3 $\frac{5}{8}$	9.20	406	12	23 $\frac{1}{2}$	3 $\frac{5}{8}$	4.30	13.35	13.35	18.10	
307	9	26	3 $\frac{5}{8}$	9.50	407	12	24	3 $\frac{5}{8}$	4.35	13.45	13.45	18.30	
308	9	26	4 $\frac{1}{8}$	9.50	408	12	24 $\frac{1}{2}$	3 $\frac{5}{8}$	4.40	13.55	13.55	18.50	
309	9	27	3 $\frac{5}{8}$	9.60	409	12	25 $\frac{1}{2}$	3 $\frac{5}{8}$	4.45	13.70	13.70	18.90	
310	9	29	3 $\frac{5}{8}$	9.80	410	12	26 $\frac{1}{2}$	3 $\frac{5}{8}$	4.55	13.90	13.90	19.30	
311	9	29	4 $\frac{1}{8}$	9.90	411	12	27	3 $\frac{5}{8}$	4.60	14.00	14.00	19.50	
312	9	30	3 $\frac{5}{8}$	10.10	412	12	28 $\frac{1}{2}$	3 $\frac{5}{8}$	4.70	14.30	14.30	20.10	
313	9	32	3 $\frac{5}{8}$	10.30	413	12	29	3 $\frac{5}{8}$	4.75	14.40	14.40	20.30	
314	9	32	4 $\frac{1}{8}$	10.40	414	12	29	4 $\frac{1}{8}$	4.80	14.50	14.50	20.40	
315	14 $\frac{1}{2}$	13	3 $\frac{5}{8}$	8.65	415	12	29 $\frac{1}{2}$	3 $\frac{5}{8}$	4.80	14.60	14.60	20.50	
316	14 $\frac{1}{2}$	16	3 $\frac{5}{8}$	9.30	416	12	30	3 $\frac{5}{8}$	4.85	14.70	14.70	20.70	
317	14 $\frac{1}{2}$	19	3 $\frac{5}{8}$	9.90	417	12	32	3 $\frac{5}{8}$	4.90	15.10	15.10	21.50	
318	14 $\frac{1}{2}$	21	3 $\frac{5}{8}$	10.20	418	12	32	4 $\frac{1}{8}$	4.95	15.20	15.20	21.70	
319	14 $\frac{1}{2}$	22	3 $\frac{5}{8}$	10.60	419	12	33	3 $\frac{5}{8}$	5.00	15.30	15.30	22.10	
320	14 $\frac{1}{2}$	24	3 $\frac{5}{8}$	10.90	420	12	35	3 $\frac{5}{8}$	5.15	15.50	15.50	22.90	
321	14 $\frac{1}{2}$	26	3 $\frac{5}{8}$	11.20	421	12	35	4 $\frac{1}{8}$	5.20	15.60	15.60	23.00	
322	14 $\frac{1}{2}$	26	4 $\frac{1}{8}$	11.30	422	17 $\frac{1}{2}$	15 $\frac{1}{2}$	3 $\frac{5}{8}$	4.15	13.00	13.00	17.80	
323	14 $\frac{1}{2}$	27	3 $\frac{5}{8}$	11.40	423	17 $\frac{1}{2}$	18 $\frac{1}{2}$	3 $\frac{5}{8}$	4.40	13.70	13.70	19.00	
324	14 $\frac{1}{2}$	29	3 $\frac{5}{8}$	11.80	424	17 $\frac{1}{2}$	19 $\frac{1}{2}$	3 $\frac{5}{8}$	4.50	13.95	13.95	19.40	
325	14 $\frac{1}{2}$	29	4 $\frac{1}{8}$	11.90	425	17 $\frac{1}{2}$	21 $\frac{1}{2}$	3 $\frac{5}{8}$	4.65	14.35	14.35	20.20	
326	14 $\frac{1}{2}$	30	3 $\frac{5}{8}$	11.90	426	17 $\frac{1}{2}$	22 $\frac{1}{2}$	3 $\frac{5}{8}$	4.75	14.60	14.60	20.60	
327	14 $\frac{1}{2}$	32	3 $\frac{5}{8}$	12.40	427	17 $\frac{1}{2}$	23 $\frac{1}{2}$	3 $\frac{5}{8}$	4.85	14.80	14.80	21.00	
328	14 $\frac{1}{2}$	32	4 $\frac{1}{8}$	12.45	428	17 $\frac{1}{2}$	24	3 $\frac{5}{8}$	4.90	14.90	14.90	21.20	
Cat. Nos. J301 to J328 are for cabinets arranged for two-inch space around panel, and take panels without gutter frames.					429	17 $\frac{1}{2}$	24 $\frac{1}{2}$	3 $\frac{5}{8}$	4.95	15.00	15.00	21.40	
					430	17 $\frac{1}{2}$	25 $\frac{1}{2}$	3 $\frac{5}{8}$	5.10	15.20	15.20	21.80	
					431	17 $\frac{1}{2}$	26 $\frac{1}{2}$	3 $\frac{5}{8}$	5.20	15.40	15.40	22.20	
					432	17 $\frac{1}{2}$	27	3 $\frac{5}{8}$	5.25	15.50	15.50	22.40	
					433	17 $\frac{1}{2}$	28 $\frac{1}{2}$	3 $\frac{5}{8}$	5.35	15.80	15.80	23.00	
					434	17 $\frac{1}{2}$	29	3 $\frac{5}{8}$	5.40	15.90	15.90	23.20	
					435	17 $\frac{1}{2}$	29	4 $\frac{1}{8}$	5.45	16.00	16.00	23.30	
					436	17 $\frac{1}{2}$	29 $\frac{1}{2}$	3 $\frac{5}{8}$	5.45	16.00	16.00	23.50	
					437	17 $\frac{1}{2}$	30	3 $\frac{5}{8}$	5.50	16.10	16.10	23.70	
					438	17 $\frac{1}{2}$	32	3 $\frac{5}{8}$	5.60	16.40	16.40	24.30	
					439	17 $\frac{1}{2}$	32	4 $\frac{1}{8}$	5.65	16.50	16.50	24.50	
					440	17 $\frac{1}{2}$	33	3 $\frac{5}{8}$	5.65	16.60	16.60	24.60	
					441	17 $\frac{1}{2}$	35	3 $\frac{5}{8}$	5.75	16.80	16.80	25.20	
					442	17 $\frac{1}{2}$	35	4 $\frac{1}{8}$	5.80	16.90	16.90	25.30	

Cat. Nos. J301 to J328 are for cabinets arranged for two-inch space around panel, and take panels without gutter frames.

Cat. Nos. K401 to N442 are for cabinets arranged for three-inch wiring space, and take panels with gutter frames.

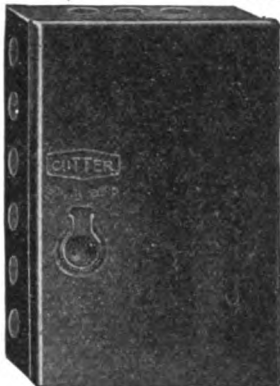
*Prices do not include frames or panels.

When ordering cabinets, give both style letter and cabinet reference number; the two together constitute cabinet catalogue number.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER STEEL SERVICE AND CUT-OUT BOXES

SCHEDULE O—STANDARD PACKAGE, 5 OF ONE SIZE

**Specifications**

The following specifications apply to all Cutter Cut-out Boxes:

Cutter Steel Service and Cut-out Boxes are formed up from a single piece of sheet steel and electrically welded. There are no rivets to work loose.

Finished with high grade black enamel paint.

Underwriters' label on every box — approved by the National Board of Fire Underwriters.

Four $\frac{5}{8}$ -inch holes, one inch from each corner, for fastening cabinet in place.

Stock Cut-out Boxes

The following specifications apply only to stock cut-out boxes listed below and cannot be changed.

Made of No. 16 U. S. G. Steel.

Doors overlap boxes on all four sides and are hinged on right-hand side.

Furnished with $\frac{7}{8}$ -inch knock-outs for $\frac{1}{2}$ -inch conduit pipes.

Made for surface mounting.

Large quantities in stock for prompt shipment.

Price List of Stock Cut-out Boxes

Width Inches	Length Inches	3 Inches Deep	LIST PRICE, EACH	4 Inches Deep
4	6	\$0.55		*
4	8	.60		.80
4	10	*		.80
4 $\frac{1}{2}$	10	*		.80
6	6	.65		.75
6	8	.70		.80
6	10	.80		.90
6	12	*		1.00
8	8	.80		.90
8	10	.85		1.00
8	12	.95		1.10
8	16	*		1.30
10	10	1.00		1.10
10	12	1.10		1.25
10	16	*		1.45
10	18	*		1.55
12	12	*		1.35
12	16	*		1.60
12	18	*		1.70

*Not carried in stock. See price list on following page.

Made to Order Cut-out Boxes

Boxes listed on the following page are not regularly carried in stock but are made to order. The following specifications apply:

Unless otherwise ordered, boxes will be furnished with standard $\frac{7}{8}$ -inch knock-outs for $\frac{1}{2}$ -inch conduit pipes. For knock-outs other than standard, add 10 cents list for each change in size of knock-out. Knock-outs for loom will be furnished when ordered, without additional charge, provided all knock-outs in the same box are of the same size.

Sketch with order, showing size and location of knock-outs, will avoid errors and delays.

Made for surface mounting unless otherwise specified. For flush mounted boxes add 50 per cent to list price.

For weatherproof boxes with overhanging and sloping roof, add 50 per cent to list price.

Prices of galvanized boxes will be quoted on application.

For brass commode catch, add 40 cents list.

For nickel plated vault handle, add \$1.00 list.

For Yale cylinder lever lock, add 70 cents list.

For master keyed cylinder lever lock, add \$1.00 list.

For master keys, add 75 cents list for each key.

For spring hinges on doors, add 60 cents list per pair.

Pull or junction boxes with covers take same list prices as surface type boxes.

Unless otherwise ordered, boxes will be made with all four sides overlapping and hinged on right-hand side. Boxes will be made with doors hinged at top when so ordered, without additional charge.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER STEEL SERVICE AND CUT-OUT BOXES

No. 16 U. S. GAUGE STEEL

No. 14 U. S. GAUGE STEEL

No. 12 U. S. GAUGE STEEL

No one dimension to exceed
24 inchesNo one dimension to exceed
54 inchesFor single dimensions exceeding
54 inchesNo one surface to exceed 360
square inchesNo one surface to exceed 1200
square inchesFor surfaces exceeding 1200
square inches

Price, Each

Price, Each

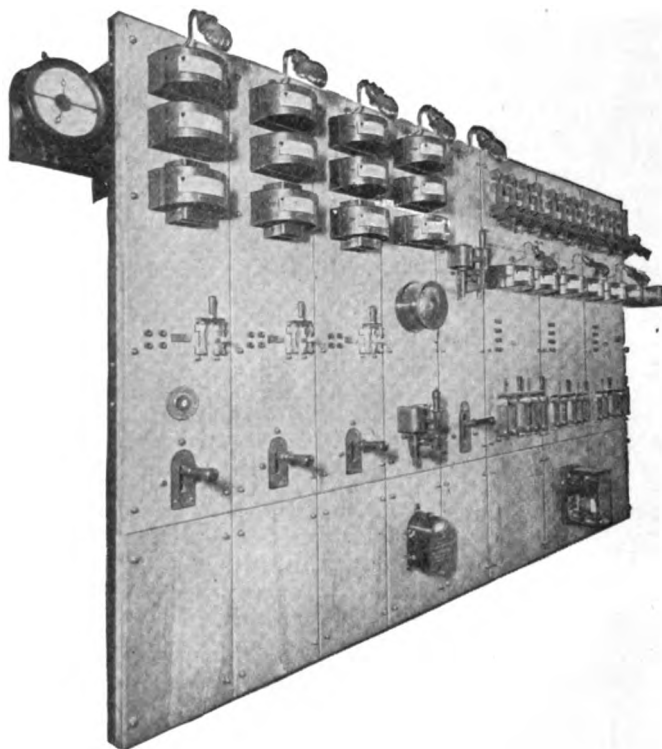
Price, Each

Width Inches	Length Inches	DEPTH, INCHES					DEPTH, INCHES					DEPTH, INCHES				
		3	4	5	6	8	3	4	5	6	8	3	4	5	6	8
4	4	\$0.95	\$1.10	\$1.30	\$1.50	\$1.95	\$1.10	\$1.25	\$1.45	\$1.70	\$2.25	\$1.30	\$1.50	\$1.75	\$2.00	\$2.65
4	6	1.05	1.25	1.40	1.65	2.15	1.20	1.40	1.60	1.85	2.40	1.45	1.65	1.90	2.20	2.90
4	8	1.15	1.35	1.55	1.75	2.30	1.30	1.50	1.75	2.00	2.60	1.60	1.80	2.10	2.40	3.10
4	10	1.25	1.45	1.65	1.90	2.45	1.40	1.65	1.90	2.15	2.80	1.70	1.95	2.25	2.60	3.35
6	6	1.20	1.35	1.55	1.80	2.30	1.35	1.55	1.75	2.05	2.65	1.60	1.85	2.10	2.45	3.15
6	8	1.30	1.50	1.70	1.95	2.50	1.50	1.70	1.95	2.20	2.85	1.80	2.05	2.35	2.65	3.40
6	10	1.45	1.65	1.85	2.15	2.70	1.65	1.85	2.10	2.40	3.10	1.95	2.25	2.55	2.90	3.65
6	12	1.55	1.80	2.05	2.30	2.90	1.80	2.00	2.30	2.60	3.30	2.15	2.40	2.75	3.10	3.95
6	15	1.75	2.00	2.25	2.55	3.20	2.00	2.25	2.55	2.90	3.65	2.40	2.70	3.05	3.45	4.35
8	8	1.45	1.65	1.90	2.15	2.75	1.65	1.90	2.15	2.45	3.10	2.00	2.25	2.55	2.90	3.70
8	10	1.65	1.85	2.10	2.35	2.95	1.85	2.10	2.35	2.65	3.40	2.20	2.50	2.80	3.20	4.00
8	12	1.80	2.00	2.25	2.55	3.20	2.00	2.25	2.55	2.90	3.65	2.40	2.70	3.05	3.45	4.30
8	14	1.95	2.15	2.45	2.75	3.40	2.20	2.45	2.80	3.10	3.90	2.60	2.95	3.30	3.70	4.60
8	16	2.10	2.35	2.60	2.90	3.60	2.35	2.65	3.00	3.35	4.15	2.80	3.15	3.55	3.95	4.90
8	18	2.25	2.60	2.80	3.10	3.85	2.55	2.85	3.20	3.55	4.40	3.05	3.40	3.80	4.20	5.20
10	10	1.80	2.05	2.30	2.55	3.20	2.05	2.30	2.60	2.90	3.65	2.45	2.75	3.10	3.45	4.35
10	12	2.00	2.20	2.50	2.80	3.45	2.25	2.55	2.85	3.20	3.95	2.70	3.00	3.40	3.75	4.70
10	14	2.15	2.40	2.70	3.00	3.70	2.45	2.75	3.10	3.45	4.25	2.95	3.30	3.65	4.05	5.00
10	16	2.35	2.60	2.90	3.20	3.95	2.65	3.00	3.30	3.70	4.50	3.20	3.55	3.95	4.35	5.35
10	18	2.50	2.80	3.10	3.45	4.20	2.90	3.20	3.55	3.95	4.80	3.40	3.80	4.20	4.65	5.70
10	20	3.00	3.30	3.65	4.05	4.85	3.40	3.80	4.20	4.60	5.55	4.05	4.50	4.95	5.45	6.60
10	22	3.20	3.50	3.90	4.25	5.10	3.65	4.05	4.45	4.90	5.85	4.30	4.80	5.25	5.80	6.95
10	24	3.40	3.75	4.10	4.50	5.40	3.85	4.25	4.70	5.15	6.15	4.60	5.05	5.55	6.10	7.30
10	30	.....	.....	.....	.....	.....	4.55	5.00	5.45	5.95	7.05	5.35	5.90	6.45	7.05	8.35
10	36	.....	.....	.....	.....	.....	5.20	5.50	6.20	6.75	7.95	6.15	6.75	7.35	8.00	9.40
12	12	2.20	2.45	2.70	3.05	3.70	2.50	2.80	3.10	3.45	4.25	2.90	3.30	3.70	4.10	5.05
12	14	2.40	2.65	2.95	3.30	4.00	2.75	3.05	3.40	3.75	4.55	3.25	3.60	4.00	4.45	5.40
12	16	2.60	2.90	3.20	3.50	4.25	2.95	3.30	3.65	4.05	4.90	3.55	3.90	4.30	4.80	5.80
12	18	2.80	3.10	3.40	3.75	4.55	3.20	3.55	3.90	4.30	5.20	3.80	4.20	4.65	5.10	6.15
12	20	3.30	3.65	4.00	4.40	5.25	3.80	4.20	4.60	5.05	6.05	4.50	4.95	5.45	5.95	7.15
12	22	3.55	3.90	4.25	4.65	5.55	4.05	4.45	4.90	5.35	6.35	4.80	5.25	5.80	6.30	7.50
12	24	3.75	4.10	4.50	4.90	5.80	4.30	4.70	5.15	5.65	6.70	5.10	5.60	6.10	6.65	7.90
12	30	.....	.....	.....	.....	.....	5.05	5.55	6.00	6.55	7.70	6.00	6.55	7.10	7.75	9.05
12	36	.....	.....	.....	.....	.....	5.85	6.35	6.85	7.45	8.65	6.90	7.50	8.10	8.80	10.25
12	42	.....	.....	.....	.....	.....	6.60	7.15	7.70	8.35	9.65	7.80	8.45	9.10	9.85	11.40
12	48	.....	.....	.....	.....	.....	7.35	7.95	8.60	9.25	10.65	8.70	9.40	10.15	10.95	12.55
15	16	3.00	3.30	3.60	3.95	4.75	3.40	3.75	4.15	4.55	5.45	4.05	4.45	4.90	5.40	6.45
15	18	3.25	3.55	3.90	4.25	5.05	3.70	4.05	4.45	4.85	5.80	4.40	4.80	5.30	5.70	6.90
15	20	3.80	4.15	4.55	4.95	5.85	4.35	4.75	5.20	5.70	6.70	5.15	5.65	6.15	6.70	7.95
15	22	4.05	4.45	4.85	5.25	6.15	4.65	5.10	5.55	6.00	7.10	5.50	6.00	6.55	7.10	8.35
15	24	4.35	4.70	5.10	5.55	6.50	4.95	5.40	5.85	6.35	7.45	5.85	6.40	6.95	7.55	8.80
15	30	.....	.....	.....	.....	.....	5.85	6.35	6.85	7.40	8.60	6.95	7.50	8.10	8.75	10.15
15	36	.....	.....	.....	.....	.....	6.75	7.30	7.85	8.45	9.70	8.00	8.60	9.25	9.95	11.45
15	42	.....	.....	.....	.....	.....	7.65	8.25	8.85	9.50	10.85	9.05	9.70	10.45	11.20	12.80
15	48	.....	.....	.....	.....	.....	8.55	9.20	9.85	10.50	11.95	10.10	10.85	11.60	12.40	15.00
18	18	3.65	4.00	4.35	4.75	5.60	4.20	4.60	5.00	5.45	6.45	5.00	5.45	5.90	6.45	7.60
18	21	.....	.....	.....	.....	.....	5.10	5.55	6.00	6.50	7.60	6.05	6.55	7.10	7.70	9.00
18	24	.....	.....	.....	.....	.....	5.60	6.10	6.55	7.10	8.25	6.65	7.20	7.75	8.40	9.70
18	30	.....	.....	.....	.....	.....	6.65	7.15	7.70	8.25	9.50	7.85	8.45	9.10	9.75	11.20
18	36	.....	.....	.....	.....	.....	7.70	8.25	8.85	9.45	10.75	9.10	9.75	10.45	11.15	12.70
18	42	.....	.....	.....	.....	.....	8.75	9.35	9.95	10.60	12.05	10.30	11.00	11.75	12.55	14.20
18	48	.....	.....	.....	.....	.....	9.75	10.40	11.10	11.80	13.30	11.55	12.30	13.10	13.90	15.70
21	21	.....	.....	.....	.....	.....	5.70	6.15	6.65	7.15	8.30	6.75	7.25	7.85	8.45	9.80
21	24	.....	.....	.....	.....	.....	6.30	6.75	7.25	7.85	9.00	7.40	8.00	8.60	9.25	10.65
21	30	.....	.....	.....	.....	.....	7.45	8.00	8.55	9.15	10.40	8.80	9.45	10.10	10.80	12.30
21	36	.....	.....	.....	.....	.....	8.65	9.20	9.80	10.45	11.70	10.20	10.85	11.60	12.35	13.95
21	42	.....	.....	.....	.....	.....	9.80	10.40	11.10	11.75	13.20	11.55	12.30	13.05	13.90	15.60
21	48	.....	.....	.....	.....	.....	11.00	11.65	12.35	13.05	14.60	12.85	13.75	14.55	15.40	17.25
24	24	.....	.....	.....	.....	.....	6.95	7.45	8.00	8.55	9.75	8.20	8.80	9.40	10.10	11.55
24	30	.....	.....	.....	.....	.....	8.25	8.80	9.40	10.00	11.30	9.75	10.40	11.10	11.80	13.35
24	36	.....	.....	.....	.....	.....	9.55	10.15	10.80	11.45	12.85	11.30	12.00	12.75	13.50	15.15
24	42	.....	.....	.....	.....	.....	10.85	11.50	12.20	12.90	14.40	12.85	13.60	14.40	15.20	17.00
24	48	.....	.....	.....	.....	.....	12.20	12.90	13.60	14.35	15.95	14.40	15.20	16.05	16.95	18.80

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SWITCHBOARDS

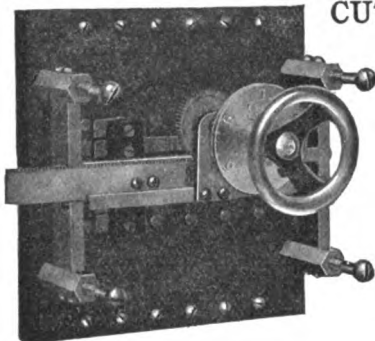
ALTERNATING OR DIRECT CURRENT



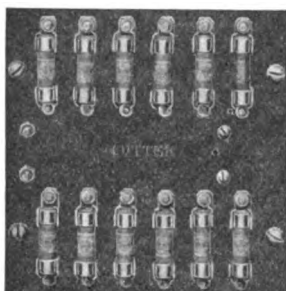
We can furnish Switchboards of Any Size for Light and Power.
Quotations will be furnished Promptly on Receipt of Specifications.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER SWITCHES



Style H, Front View



Style H, Back View



Style D, Front View



Style D, Back View



Voltmeter Plug Receptacle

CUTTER STYLE H VOLTMETER AND GROUND DETECTOR SWITCHES

This switch is built only for rear board mounting, and in sizes from three to twelve circuits, inclusive. It is compact, durable in construction and has no trouble some coiled springs. The contact surfaces are ample and self-cleaning. The safe installation of any voltmeter switch requires fuses in each leg of each circuit. This switch is the only one in which the terminals are a self-contained part of the switch. It is not, therefore, necessary to place a cluster of cumbersome fuse blocks on your board in addition to the voltmeter switch. The switch is built for link or enclosed fuses. If for use with two scale voltmeters, add 10 per cent.

Trade No.	No. Circuits	Wt., Lbs. Boxed	Price Each	Trade No.	No. Circuits	Wt., Lbs. Boxed	Price Each
22670	3	10	\$17.00	22673	8	10	\$18.40
22671	4	10	17.40	22674	10	10	19.15
22672	6	10	18.15	22675	12	10	20.15

CUTTER STYLE HA AMMETER SWITCHES

The switch is similar in general design to the Cutter Voltmeter Switch, but the contact surfaces are much larger in area, thereby introducing no resistance in the shunt circuits. The fuse terminals are omitted on the ammeter switch, but switch can be arranged for readings upon double scale ammeters or upon two separate ammeters at an additional cost of 10 per cent.

22965	3	10	17.00	22968	8	10	18.40
22966	4	10	17.40	22969	10	10	19.15
22967	6	10	18.15	22970	12	10	20.15

Prices on switches with more circuits than listed above, quoted on application. Switches equipped with clips for enclosed fuses, 10 cents per circuit extra, list.

Above prices do not include fuses.

CUTTER STYLE D GROUND DETECTOR SWITCHES

600 Volts and Under

The Cutter Style D Ground Detector Switch shown above is the only satisfactory double-pole ground detector switch for voltages up to and including 600.

It consists of a porcelain base approximately 4x2½ inches, on which are mounted self-cleaning contacts and contact springs, the latter actuated by an insulated handle, which is the only part appearing on the front of the switchboard.

All connections are made by terminals on the porcelain base, which is mounted on the rear.

In the normal position of the switch, the voltmeter is connected directly to the bus bars, and with a slight movement of the handle to either the right or left, the voltmeter is connected to read positive or negative ground.

Trade No.	No. Points	Price Each
22909	..	\$5.00

VOLTMETER PLUGS

22910	2	.75
22911	4	1.85
22912	6	3.00

VOLTMETER PLUG RECEPTACLES

22913	..	.80
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER INDUCTION MOTOR SWITCHES



These switches are designed to start and operate alternating current induction motors, eliminating costly and complicated starting devices and insuring positive protection to both the motor and the operator.

It consists of a double throw knife switch, fused on one end, and actuated by a special handle, exterior to the steel cabinet containing the switch.

In starting the motor the handle is moved to the right, or unfused side of the switch, against the effort of a heavy coiled spring, which prevents the switch remaining in this position if the handle is released.

When the motor comes up to speed, a trigger is released, disengaging the handle from the switch, which, by the force of the coiled spring, is instantly thrown to the left, or fused side.

The starting current, which is several times greater than the running current, does not pass through the fuses, thus permitting the use of fuses small enough to protect the motor and its load when operating regularly.

By the peculiar construction of the operating handle it is impossible to throw the switch on the running side without first throwing it on the starting side.

As the change from starting to running position is made automatically, by means of the coiled spring, the action is quick break, and the arcing and burning of contacts cannot occur.

All live parts are contained in the cabinet, thereby eliminating all possibility of injury to the operator; and if desired, we will furnish doors with locks and keys, so that unauthorized persons cannot tamper with the live switch parts or fuses.

The switches are manufactured in the following standard sizes, and in considering initial costs it must be born in mind that no starting compensators are required with the motors.

THREE-PHASE

Trade No.	Horse Power	Capacity Amperes	Volts	Shipping Wt., Lbs.	Price Each
22951	5	30	220	40	\$20.00
22952	7½ to 15	60	220	40	31.00
22953	25	60	440	40	31.00
22954	20 to 25	100	220	50	37.00
22955	30 to 50	100	440	50	37.00
22956	30 to 60	200	220	60	56.00
22957	60 to 100	200	440	60	56.00

TWO-PHASE

22958	5	30	220	50	24.00
22959	7½ to 15	60	220	50	35.00
22960	30	60	440	50	35.00
22961	20 to 30	100	220	60	43.00
22962	35 to 60	100	440	60	43.00
22963	40 to 60	200	220	70	65.00
22964	80 to 120	200	440	70	65.00

In ordering, specify the voltage, number of phases and horse power.

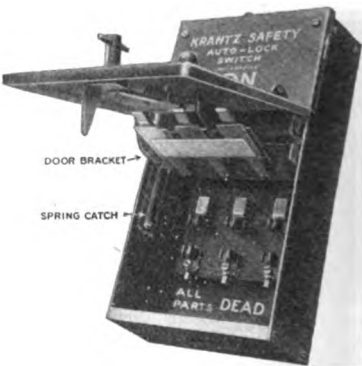
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

KRANTZ SAFETY AUTOLOCK SWITCHES

CAPACITIES UP TO 1000 AMPERES, 250-600 VOLTS



Closed



Door Held Open by Spring Catch

The Autolock Switch is known as brush type. Instead of knife blade and clip contacts, the switching device consists of thin strips of copper held between two heavier strips clamped together. The brush laminations are cut at an angle to give a flat contact surface.

The brush switch is operated by means of a toggle and spring control handle, and contacts are always under direct pressure.

The switch is quick-break, double-break, non-retarding. It is mounted in an iron box with an automatic barrier which separates the live copper connections, and when the switch box is open, all accessible copper is absolutely dead.

The box cannot be opened without throwing the switch in the off position. Fuses cannot be blown except when the box is closed, and they cannot be replaced except when all clips and all accessible parts are dead.

The Krantz Autolock Switch is completely safe on or off. It is impossible to receive an electrical shock under any circumstances. The switching device is removed by means of two cotter pin bolts without disturbing the wiring, the position of the box, or killing the circuit.

SINGLE THROW, N. E. C. FUSED

250 Volts, D. C. and A. C.

Cap. Amps.	Double Pole			Three Pole			Four Pole		
	Mfrs. No.	Price Each		Mfrs. No.	Price Each		Mfrs. No.	Price Each	
30	2AL3	\$13.60		3AL3	\$15.20		4AL3	\$18.00	
60	2AL6	17.00		3AL6	19.40		4AL6	22.00	
100	2AL10	22.40		3AL10	27.40		4AL10	32.00	
200	2AL20	32.00		3AL20	40.00		4AL20	50.00	
400	2AL40	64.00		3AL40	80.00		4AL40	100.00	
600	2AL60	92.00		3AL60	120.00		4AL60	156.00	
800	2AL80	128.00		3AL80	156.00		4AL80	216.00	
1000	2AL100	170.00		3AL100	200.00		4AL100	260.00	

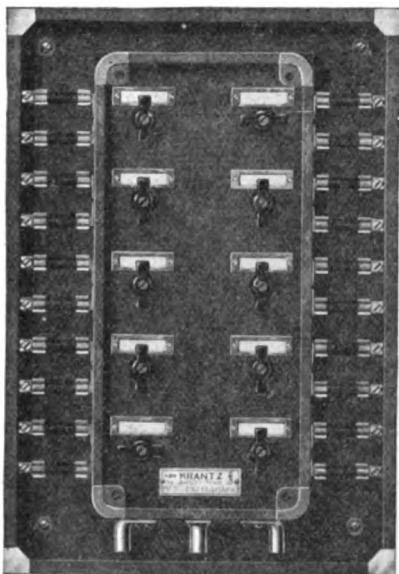
500 Volts, A. C.

Cap. Amps.	Three Pole			Four Pole		
	Mfrs. No.	Price Each		Mfrs. No.	Price Each	
30	13AL3	\$17.40		14AL3	\$20.70	
60	13AL6	22.40		14AL6	25.30	
100	13AL10	31.40		14AL10	36.80	
200	13AL20	46.00		14AL20	57.50	
400	13AL40	92.00		14AL40	115.00	
600	13AL60	138.00		14AL60	180.00	
800	13AL80	180.00		14AL80	250.00	
1000	13AL100	230.00		14AL100	300.00	

400-amp. switches and over are made in shock-proof type.
Prices on 600-volt D. C. switches quoted on application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

KRANTZ SAFETY PANELS



Panel with Safety Main Switch
and Main Fuses



Sectional View of Panel

These panels are built with rotary turn-handle Krantz Switch which is five times stronger than the strongest snap switch made. They may be equipped with the Krantz Brush Type Safety Main Switch, which is shock-proof.

Cabinets are equipped with two doors—a door within a door—the center secured by a simple catch, the complete door by lock and key. Opening the center door exposes to view the circuit and main switch with no accessible or live copper. Opening the outer door with lock and key exposes the entire panel.

Only 3-wire mains are listed, but any style desired can be furnished.

Guaranteed by the manufacturer for a period of five years from date of installation.

MAINS.—With lugs only.

BRANCHES.—2-wire with special snap switches arranged for N. E. C. enclosed fuses.

CABINETS.—

TYPE FS—Flush steel box and steel trim.

TYPE SS—Surface steel box and steel trim.

TYPE FW—Flush steel box and wood trim.

TYPE SW—Surface steel box and wood trim.

For inside dimensions of box, add $7\frac{1}{2}$ inches to panel size for $3\frac{1}{4}$ -inch gutter and $\frac{1}{2}$ -inch frame.

Panels arranged for link fuses, plug fuses, mains entering at top, made in same sizes at the same prices.

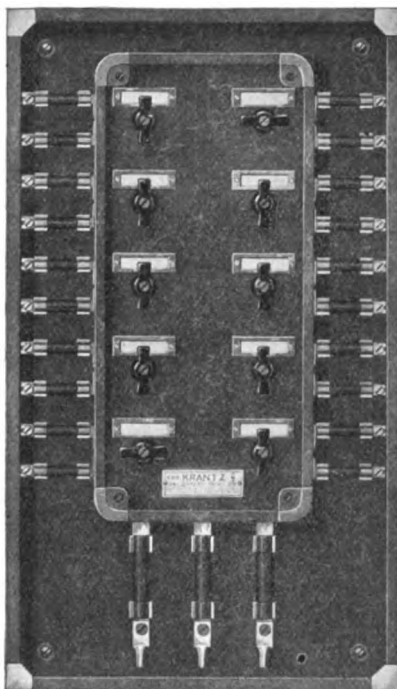
3-WIRE MAINS, 125 VOLTS DOUBLE BRANCH

Mfrs. No.	No. of Circuits	Cap. Mains Amps.	Covered Panel only			Price Each	Slate Frame Price Each	Steel Box Price Each	Panel with Cabinet	
			Height	Width	Depth				Types FS and SS	Types FW and SW
3S02	2	30	$7\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	\$10.80	\$3.50	\$5.20	\$27.90	\$32.30
3S04	4	30	$10\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	15.00	3.80	5.60	33.20	37.80
3S06	6	30	$13\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	21.00	4.10	6.00	40.40	45.10
3S08	8	30	$16\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	26.60	4.40	6.40	47.00	51.90
3S10	10	30	$19\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	32.00	4.70	6.80	53.60	58.60
3S12	12	60	$22\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	37.80	5.00	7.20	60.50	65.60
3S14	14	60	$25\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	43.10	5.30	7.60	67.00	72.30
3S16	16	60	$28\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	48.60	5.60	8.00	73.70	79.10
3S18	18	60	$31\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	53.90	5.90	8.50	80.30	85.80
3S20	20	60	$34\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	59.40	6.20	8.90	86.90	92.50
3S22	22	100	$37\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	66.20	6.50	9.30	95.00	100.40
3S24	24	100	$40\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	71.70	6.80	9.60	104.10	107.30
3S26	26	100	$43\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	77.10	7.10	10.20	111.00	114.40
3S28	28	100	$46\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	82.40	7.40	10.60	117.50	121.40
3S30	30	100	$49\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	87.70	7.70	11.10	124.10	128.60
3S32	32	100	$52\frac{1}{2}$	$13\frac{1}{2}$	$4\frac{1}{2}$	93.20	8.00	11.60	130.90	135.90

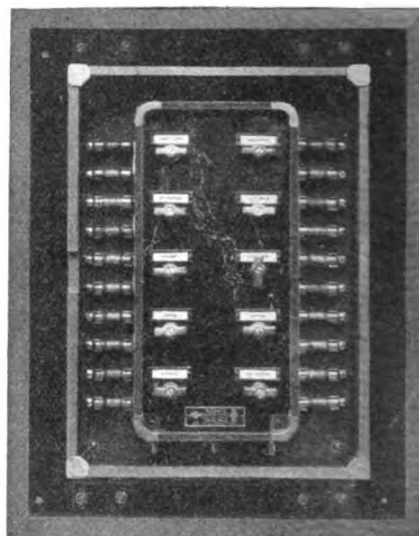
Prices do not include fuses.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

KRANTZ SAFETY PANELS



Panel only with Fusible Mains

Panel in Steel Box but without Door or Trim
Cut shows Panel without Main Fuses

MAINS—With N. E. C. fuses.

BRANCHES—2-wire with special snap switches arranged for N. E. C. enclosed fuses.

CABINETS—

TYPE FS—Flush steel box and steel trim.

TYPE SS—Surface steel box and steel trim.

TYPE FW—Flush steel box and wood trim.

TYPE SW—Surface steel box and wood trim.

For inside dimensions of box, add $7\frac{1}{2}$ inches to panel size for $3\frac{1}{4}$ -inch gutter and $\frac{1}{2}$ -inch frame.

Panels arranged for link fuses, plug fuses, mains entering at top, made in same sizes at the same prices.

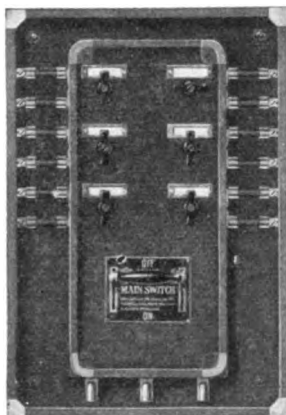
3-WIRE MAINS, 125 VOLTS DOUBLE BRANCH

Mfrs. No.	No. of Circuits	Cap. Mains Amps.	SIZE, INCHES			Price Each	Slate Frame Price Each	Steel Box Price Each	Panel with Cabinet		
			Height	Width	Depth				Type FS and SS	Type FW and SW	Type
13S02	2	30	10 $\frac{1}{2}$	13 $\frac{1}{2}$	4 $\frac{1}{2}$	\$13.10	\$3.80	\$5.60	\$31.30	\$35.90	
13S04	4	30	13 $\frac{1}{2}$	13 $\frac{1}{2}$	4 $\frac{1}{2}$	17.30	4.10	6.00	36.70	41.40	
13S06	6	30	16 $\frac{1}{2}$	13 $\frac{1}{2}$	4 $\frac{1}{2}$	23.30	4.40	6.40	43.70	48.60	
13S08	8	30	19 $\frac{1}{2}$	13 $\frac{1}{2}$	4 $\frac{1}{2}$	28.90	4.70	6.80	50.50	55.50	
13S10	10	30	22 $\frac{1}{2}$	13 $\frac{1}{2}$	4 $\frac{1}{2}$	34.30	5.00	7.20	57.00	62.10	
13S12	12	60	27	13 $\frac{1}{2}$	4 $\frac{1}{2}$	40.50	5.40	7.90	65.10	70.50	
13S14	14	60	30	13 $\frac{1}{2}$	4 $\frac{1}{2}$	45.80	5.70	8.20	71.40	76.80	
13S16	16	60	33	13 $\frac{1}{2}$	4 $\frac{1}{2}$	51.30	6.00	8.80	78.40	83.90	
13S18	18	60	36	13 $\frac{1}{2}$	4 $\frac{1}{2}$	56.60	6.30	9.00	84.50	90.00	
13S20	20	60	39	13 $\frac{1}{2}$	4 $\frac{1}{2}$	62.10	6.60	9.50	94.10	97.10	
13S22	22	100	45	13 $\frac{1}{2}$	4 $\frac{1}{2}$	70.30	7.20	10.50	104.90	108.70	
13S24	24	100	48	13 $\frac{1}{2}$	4 $\frac{1}{2}$	75.80	7.50	10.80	111.40	115.50	
13S26	26	100	51	13 $\frac{1}{2}$	4 $\frac{1}{2}$	81.20	7.80	11.50	118.40	123.30	
13S28	28	100	54	13 $\frac{1}{2}$	4 $\frac{1}{2}$	86.50	8.10	11.80	124.70	129.80	
13S30	30	100	57	13 $\frac{1}{2}$	4 $\frac{1}{2}$	91.80	8.40	12.60	131.80	137.80	
13S32	32	100	60	13 $\frac{1}{2}$	4 $\frac{1}{2}$	97.30	8.70	13.00	138.30	144.70	

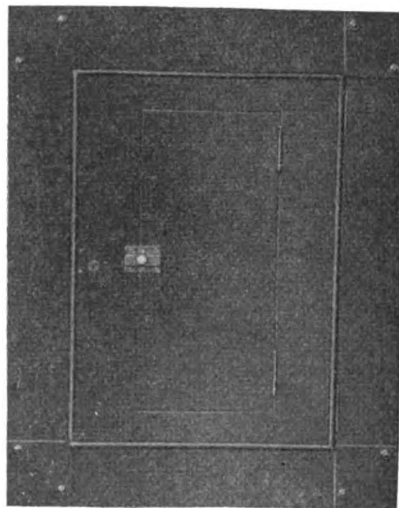
Prices do not include fuses.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

KRANTZ SAFETY PANELS



Panel



Steel Trim

MAINS—With unfused safety brush switch.

BRANCHES—2-wire with special snap switches arranged for N. E. C. enclosed fuses.

CABINETS—

TYPE FS—Flush steel box and steel trim.

TYPE SS—Surface steel box and steel trim.

TYPE FW—Flush steel box and wood trim.

TYPE SW—Surface steel box and wood trim.

For inside dimensions of box, add $7\frac{1}{2}$ inches to panel size for $3\frac{1}{4}$ -inch gutter and $\frac{1}{2}$ -inch frame.

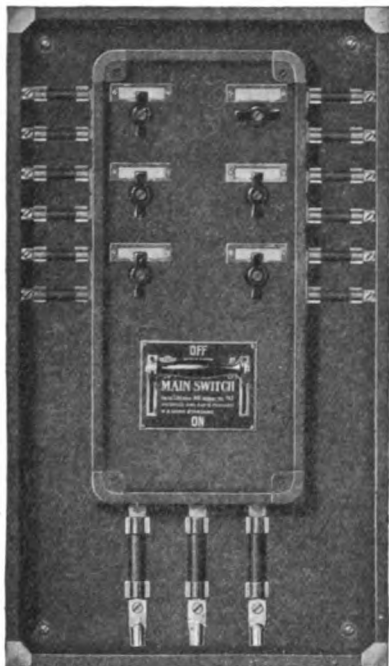
Panels arranged for link fuses, plug fuses, mains entering at top, made at the same prices. Sizes on application.

3-WIRE MAINS, 125 VOLTS DOUBLE BRANCH

Mfrs. No.	No. of Circuits	Cap. Mains Amps.	Covered Panel Only			Price Each	Slate Frame Price Each	Steel Box Price Each	Panel with Cabinet	
			Height	Size, Inches Width	Depth				Type FS and SS	Type FW and SW
23S02	2	30	13½	13½	4½	\$19.10	\$4.10	\$6.00	\$ 38.50	\$43.20
23S04	4	30	16½	13½	4½	23.30	4.40	6.40	43.70	48.60
23S06	6	30	19½	13½	4½	29.30	4.70	6.80	50.90	55.90
23S08	8	30	22½	13½	4½	34.90	5.00	7.20	57.60	62.70
23S10	10	30	25½	13½	4½	40.30	5.30	7.60	64.20	69.50
23S12	12	60	30	13½	4½	48.00	5.70	8.20	73.60	79.00
23S14	14	60	33	13½	4½	53.30	6.00	8.80	80.40	85.90
23S16	16	60	36	13½	4½	58.80	6.30	9.00	86.70	92.20
23S18	18	60	39	13½	4½	64.10	6.60	9.50	96.10	99.10
23S20	20	60	42	13½	4½	69.60	6.90	9.80	102.40	105.70
23S22	22	100	45	13½	4½	81.00	7.20	10.50	115.60	119.40
23S24	24	100	48	13½	4½	86.50	7.50	10.80	122.10	126.20
23S26	26	100	51	13½	4½	91.90	7.80	11.50	129.10	134.00
23S28	28	100	54	13½	4½	97.20	8.10	11.80	135.40	140.50
23S30	30	100	57	13½	4½	102.50	8.40	12.60	142.50	148.50
23S32	32	100	60	13½	4½	108.00	8.70	13.00	149.00	155.40

Prices do not include fuses.

KRANTZ SAFETY PANELS



Panel only with Fusible Mains



Wood Trim only for Krantz Safety Panel

MAINS—With N. E. C. fused safety brush switch.

BRANCHES—2-wire with special snap switches arranged for N. E. C. enclosed fuses.

CABINETS—

TYPE FS—Flush steel box and steel trim.

TYPE SS—Surface steel box and steel trim.

TYPE FW—Flush steel box and wood trim.

TYPE SW—Surface steel box and wood trim.

For inside dimensions of box, add $7\frac{1}{2}$ inches to panel size for $3\frac{1}{4}$ -inch gutter and $\frac{1}{2}$ -inch frame.

Panels arranged for link fuses, plug fuses, mains entering at top, made at same prices. Sizes on application.

3-WIRE MAINS, 125 VOLTS DOUBLE BRANCH

Mfrs. No.	Cap. No. of Circuits	Mains Amps.	Size, INCHES			Price Each	Slate Frame Price Each	Steel Box Price Each	Panel with Cabinet	
			Heights	Width	Depth				Type FS and SS	Type FW and SW
33S02	2	30	16½	13½	4½	\$20.10	\$4.40	\$6.40	\$40.50	\$45.40
33S04	4	30	19½	13½	4½	24.30	4.70	6.80	45.90	50.90
33S06	6	30	22½	13½	4½	30.30	5.00	7.20	53.00	58.10
33S08	8	30	25½	13½	4½	35.90	5.30	7.60	59.80	65.10
33S10	10	30	28½	13½	4½	41.30	5.60	8.00	66.40	71.80
33S12	12	60	33	13½	4½	49.90	6.00	8.80	77.00	82.50
33S14	14	60	36	13½	4½	55.20	6.30	9.00	83.10	88.60
33S16	16	60	39	13½	4½	60.70	6.60	9.50	92.70	95.70
33S18	18	60	42	13½	4½	66.00	6.90	9.80	98.80	102.10
33S20	20	60	45	13½	4½	71.50	7.20	10.50	106.10	109.90
33S22	22	100	51	13½	4½	84.30	7.80	11.50	121.50	126.40
33S24	24	100	54	13½	4½	89.80	8.10	11.80	128.00	133.10
33S26	26	100	57	13½	4½	95.20	8.40	12.60	135.20	141.20
33S28	28	100	60	13½	4½	100.50	8.70	13.00	141.50	147.90
33S30	30	100	63	13½	4½	105.80	9.00	13.80	148.70	156.10
33S32	32	100	66	13½	4½	111.30	9.30	14.70	156.30	161.60

Prices do not include fuses.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

"SQUARE D" IRONCLAD FUSED SWITCHES**No. 7251**

Entire mechanism completely enclosed, avoiding any possibility of accidental contact with live parts, only operating handle exposed. Box cannot be opened as long as working parts are live. Gasket under lid keeps out dirt, water and explosive vapors.

STANDARD TYPE**250 Volts—Double-pole**

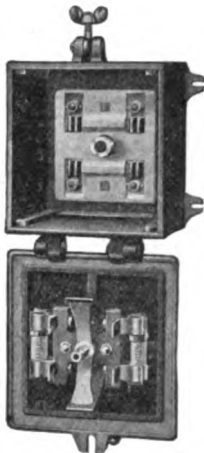
Trade No.	Mfrs. No.	Amperes	Wt. Lbs.	Price Each
062785	7251	30	12	\$ 8.75
062786	7252	60	25	20.15
062787	7253	100	57	43.90
11988	7254	200	71	68.95
71334	7255	400	133	125.00

250 Volts—Three-pole

062788	7351	30	23	17.55
062789	7352	60	41	28.85
062790	7353	100	90	72.75
11989	7354	200	103	94.00
71335	7355	400	155	156.75

250 Volts—Four-pole

11983	7451	30	24	17.55
11992	7454	200	116	125.00

**No. 7251
Cover Open****SEVERE SERVICE TYPE****250 Volts—Double-pole**

Trade No.	Mfrs. No.	Amperes	Wt. Lbs.	Price Each
062791	8251	30	13	\$11.30
062792	8252	60	26	31.30
062793	8253	100	57	56.45
11993	8254	200	71	75.20
71336	8255	400	133	138.00

250 Volts—Three-pole

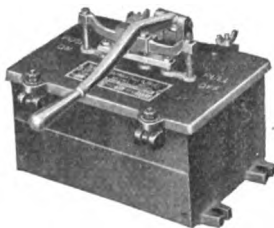
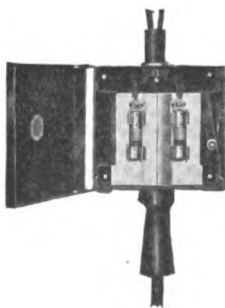
062794	8351	30	24	20.00
062795	8352	60	42	46.30
062796	8353	100	90	81.75
11994	8354	200	100	106.60
71337	8355	400	155	169.20

250 Volts—Four-pole

11995	8451	30	25	23.20
71333	8454	200	116	175.55

**No. 7253****No. 8251**

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

"SQUARE D" MOTOR STARTERS AND FUSED RECEPTACLES**No. 6351****No. 6361****No. 5001
With Plug Inserted****No. 5001
Interior View****IRONCLAD INDUCTION MOTOR STARTERS**

"Square D" Induction Motor Starters are designed for use with motors up to and including $7\frac{1}{2}$ horse power, or those motors which may be started by switching them directly on to full voltage service. By their use it is possible to fuse these motors for their running load, the fuses being paralleled by removable short-circuiting bars which are in circuit with the fuses, only when the switch is in the starting position. The switch may be sealed shut by the use of a car seal to protect it against tampering or the possible use of fuses of too large a capacity.

NOTE.—"Square D" Ironclad Switches and Induction Motor Starters are regularly labeled with the new fire and accident label of the Underwriters' Laboratories. These are the first electrical devices made in the United States or anywhere to be granted the privilege of using the Underwriters' accident label.

Trade No.	Mfrs. No.	Description	Amperes	Volts	Wt. Lbs.	Price Each
71301	6251	Single-phase	30	250	22	\$27.55
062797	6351	Three-phase	30	250	26	22.55
11987	6451	Two-phase	30	250	28	27.55
057560	6361	Three-phase	30	600	76	50.15

"SQUARE D" FUSED RECEPTACLES AND ATTACHMENT PLUGS

These devices are designed primarily to increase the field of activity and efficiency of portable electrical units in industrial plants and wherever it is more economical to move the units than the materials.

The receptacle is made of sheet steel with fuses and terminals mounted on two porcelains held in place within the box by a steel wedge. The end plate at bottom is removable. All terminals and contacts are completely enclosed; heavy spring contacts are provided.

The plug is of the non-reversible polarity type, rounded on one side and so shaped that it is impossible to reverse it when inserting in the receptacle. Made of hardwood fitted with copper plates which make contact with the terminals attached to porcelains within the receptacle. The cable passes through center of plug and is fastened to terminals at either side of plug with contact screws.

Receptacles

Trade No.	Mfrs. No.	No. of Poles	Capacity Amperes	Volts	Price Each
71306	5001	2	30	250	\$3.75

Attachment Plugs

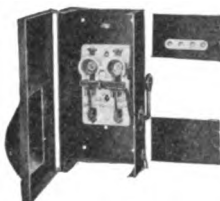
Trade No.	Mfrs. No.	No. of Poles	Capacity Amperes	Volts	Price Each
71307	5021	2	30	250	1.60

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

"SQUARE D" STEEL SERVICE SWITCHES AND DISTRIBUTING CABINETS



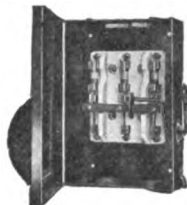
No. 5211E
Cover Closed



No. 5211E
with End Plates
Removed to Side



No. 5211E
with Meter Trim



No. 5351X

With this new line of sheet steel enclosed entrance switches the live metal parts are completely enclosed and the switch operates from the outside of the box. The main line fuses may be placed under seal and, when cabinets are used with the meter protective trim, a permanent unit installation may be made which is proof against fire, accident, and circuit tampering. This is made possible by the patented "locking off" device with each cabinet. Boxes are 3 inches deep.

"5000" SERIES SWITCHES—SINGLE COMPARTMENT BOXES

Trade No.	Mfrs. No.	Capacity Amperes	Volts	No. of Poles	Fuses	Price Each
111555	5211E	30	125	2	Ed. plug	\$3.50
111556	5311E	30	125	3	Ed. plug	5.85
111557	5411E	30	125	4	Ed. plug	7.30
111558	5251X	30	250	2	Cartridge	3.95
111559	5351X	30	250	3	Cartridge	6.85
111560	5451X	30	250	4	Cartridge	8.30

Above prices include switches and cut-outs mounted in boxes, without end plates or meter trims.

END PLATES—REMOVABLE AND INTERCHANGEABLE

For use at either top or bottom of boxes.

Trade No.	Mfrs. No.	Description	Price Each
111561	18331	Three knock-outs for $\frac{1}{2}$ -inch conduit.....	\$0.10
111562	19341	Four-hole porcelain, complete with porcelain..	.20
111563	19351	Five-hole porcelain, complete with porcelain..	.20

METER PROTECTIVE TRIMS

These trims fit ends of switch compartments and are interchangeable with end plates listed above.

Trade No.	Mfrs. No.	Type of Meter	Price Each
111564	1501	O. A. (West.) Style No. 161373C, 5A., 100 V., single-phase, two-wire.....	\$0.47
111565	1502	C (West.) Style 57524F, 5A., 100 V., single-phase, two-wire.....	.47
111566	1503	I-14 (G-E) and K-5 (Ft. W.).....	.47
111567	1504	I-10 (G-E).....	.47
111568	1505	H (Sang.) A. C., 5-15 amps., single-phase....	.47
111569	1506	I (G-E) 25 amps., reversible, for use at either top or bottom of box.....	1.15
111570	1507	K-4 (Ft. W.).....	.47
111571	1508	I-9 (Can. G-E).....	.47
111572	1511	O. A. (Westinghouse) 20 amps.....	.47
111573	1512	I-14 (G-E) 5-25 amps., two and three-wire— for use at bottom of box.....	1.17
111574	1514	K-3 (Ft. W.).....	.47

The above list gives only a few of the many meter trims that will be worked out for use with Square D Cabinets. Prices for trims for other meters than those given above will be furnished on application.

Notice

Be sure to give specifications for end plates or meter trim wanted. If end plates are not required, mention the fact on your order. If end plate specifications are not given, we will ship and bill switches fitted with one No. 1801 end plate and one No. 1925 or No. 1926 end plate, whichever is best suited for the switch ordered.

Examined and labeled under the direction of the Underwriters' Laboratories.

"SQUARE D" STEEL SERVICE SWITCHES AND DISTRIBUTING CABINETS

DOUBLE COMPARTMENT BOXES FOR SWITCH AND BRANCH CUT-OUTS

For Two, Three and Four-Branch Circuits



No. 2001



No. 2001 with Meter Trim

Nos. 2001 to 2003

For use on any two-wire, 125-volt system or a three-wire, 125-250-volt system with grounded neutral where either 125 or 250-volt, two-wire connections are made.

Trade No.	Mfrs. No.	SWITCH COMPARTMENT		No. of Branch Circuits	No. of Cut-outs	Volts	BRANCH CIRCUIT COMPARTMENT		Price Each
		Two-Pole, 30-AMPERE MAIN SWITCH	Fuse				Two-Pole BRANCH CUT-OUTS	Fuse	
111585	2001	125	Ed. plug	2	1	125	Double	Ed. plug	\$5.85
111586	2002	125	Ed. plug	3	3	125	Single	Ed. plug	6.85
111587	2003	125	Ed. plug	4	2	125	Double	Ed. plug	7.75

Nos. 2011 to 2013

For use on any two-wire, 250-volt system.

111588	2011	250	Cartridge	2	1	250	Double	Cartridge	8.30
111589	2012	250	Cartridge	3	3	250	Single	Cartridge	10.10
111590	2013	250	Cartridge	4	2	250	Double	Cartridge	11.05

Nos. 2021 and 2023

For use on any three-wire, 125-250-volt grounded neutral system.

111591	2021	250	Cartridge	2	1	125	3-2 Double	Ed. plug	7.30
111592	2023	250	Cartridge	4	2	125	3-2 Double	Ed. plug	9.20

Nos. 2031 and 2033

For use on any three-wire, 250-volt grounded neutral system.

111593	2031	250	Cartridge	2	1	250	3-2 Double	Cartridge	9.20
111594	2033	250	Cartridge	4	2	250	3-2 Double	Cartridge	11.05

Nos. 2041 and 2043

For use on any three-wire, 125-250-volt grounded neutral system.

111595	2041	125	Ed. plug	2	1	125	3-2 Double	Ed. plug	6.95
111596	2043	125	Ed. plug	4	2	125	3-2 Double	Ed. plug	8.75

Nos. 2051 to 2053

For use on any two-wire, 125-volt system, or on a three-wire, 125-250-volt system with grounded neutral where either 125 or 250-volt, two-wire connections are made.

111597	2051	250	Cartridge	2	1	125	Double	Ed. plug	6.85
111598	2052	250	Cartridge	3	3	125	Single	Ed. plug	7.75
111599	2053	250	Cartridge	4	2	125	Double	Ed. plug	8.75

All the above boxes are 3 inches deep.

Above prices include switches and cut-outs mounted in boxes, without end plates or meter trims. Prices do not include fuses.

All switches in the above are 30-ampere capacity.

Ground wire lug furnished without extra charge.

Notice

Be sure to give specifications for end plates or meter trim wanted. If end plates are not required, mention the fact on your order. If end plate specifications are not given, we will ship and bill cabinets fitted with one No. 1801 end plate and one No. 1925 or No. 1926 end plate, whichever is best suited for the cabinet ordered. End plates and meter trims are listed on preceding page.

The above devices are approved by the Underwriters' Laboratories, for use on systems mentioned above, except where their use would not be in accordance with the provisions of the National Electrical Code.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDIT OIL SWITCHES

TYPE ID OIL SWITCHES

Type ID oil switch is especially designed for the protection of small induction motors which are started without the use of compensators. It is totally enclosed, dustproof, fireproof and foolproof, thus making it very safe and desirable for use in all classes of industrial plants.

**ALTERNATING CURRENT, SINGLE-THROW, NON-AUTOMATIC,
WALL MOUNTED; WITHOUT FUSE TERMINALS**
50 Amperes or Less, 600 Volts or Less

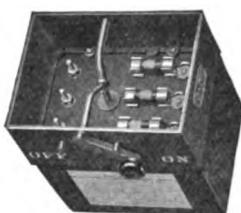
Trade No.	No. of Poles	Ship. Wt., Lbs.	Price Each
049683	2	20	\$11.30
049684	3	20	12.30
049685	4	25	24.50



Type ID
without Fuse Terminals

WITH FUSE TERMINALS
30 Amperes or Less, 250 Volts or Less

Without Fuses		With Fuses	
No. of Poles	Ship. Wt., Lbs.	Trade No.	Price Each
2	20	049686	\$13.60
3	20	049687	14.80
4	25	049688	26.00
30 Amperes or Less, 251-600 Volts			
2	25	46728	18.50
3	25	46729	19.80
4	....	46730	On application



Type ID
with Fuse Terminals

Additional charge for drilling entrance holes for conduit wiring 5 cents net per hole.

Additional charge for drilling entrance holes and furnishing porcelain bushings for open wiring, 10 cents net per hole.

Above prices include necessary oil.

TYPE M-5 MANHOLE OIL SWITCHES

Type M-5 oil switch is designed for use on underground systems, or in other locations where there is a possibility of flooding. It is constructed with a minimum number of joints and these are made water-tight. The handle not only operates the switch, but, being removable, also serves to insert and remove the plug which seals the switch. It is designed for mounting on flat surfaces, and a mounting bracket is furnished with each switch.

SINGLE-THROW, NON-AUTOMATIC
Arranged for Single-conductor Cable
200 Amperes or Less, 4500 Volts or Less

Trade No.	No. of Poles	Ship. Wt., Lbs.	Price Each
128185	2	150	\$ 86.00
128186	3	150	103.50
128187	4	175	138.00

Switches arranged for multi-conductor cable, prices on application.

Double-throw switches, prices on application.

Standard cable sleeves have an inside diameter of $\frac{7}{8}$, $1\frac{1}{8}$ and $1\frac{3}{4}$ inches. Cable sleeves of different diameters can be furnished; additional price of such special sleeves on application.

TYPE PK-5 POLE LINE OIL SWITCHES

The PK-5 oil switch is intended primarily for use out of doors as a pole-line switch, although it may be used on other kinds of service. As a pole-line switch it is used for sectionalizing lines, switching transformers, etc. Type PK-5 is intended for mounting on a flat surface or cross-arms. Ordinarily furnished without line wires. Line wires supplied in any length at an additional charge.

SINGLE-THROW, NON-AUTOMATIC
200 Amperes or Less, 4500 Volts or Less

Trade No.	No. of Poles	Ship. Wt., Lbs.	Price Each
128188	2	110	76.00
128189	3	130	81.50
128190	4	144	98.50

Line wires of No. 00 weatherproof braid, stranded cable can be furnished at the following additional net prices: 2-ft. lengths assembled in switch, \$1.00; 4-ft. lengths, \$1.50; 6-ft. lengths, \$2.00.

Double-throw switches, prices on application.



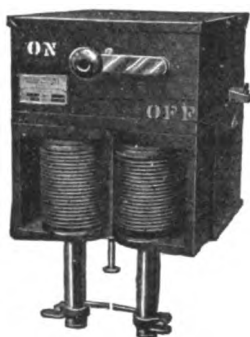
Type PK-5



Type M-5

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDIT CIRCUIT BREAKERS AND STARTERS



Type ID

TYPE ID OIL CIRCUIT BREAKERS

The Type ID Oil Circuit Breaker is especially designed for the protection of small induction motors, which are started without the use of compensators. The ID is totally enclosed, dust-proof, fire-proof, and fool-proof, thus making it very safe and desirable for use in all classes of industrial plants.

In the overload Type ID Oil Circuit Breaker the overload coil or coils are depended upon to protect the motor from overload or short circuits. Two overload coils are recommended. All overload coils are fitted with a calibration tube which can be adjusted so that the circuit breaker will trip at any desired value of current from normal to three times normal. The overload circuit breakers may be equipped with time-limit attachment.

The no-voltage attachment is used when it is desired to protect the motor from failure of voltage. The no-voltage coils may be wound for any voltage up to and including 600, and are designed to be connected directly across the line. No potential transformers or resistances are needed.

Automatic, Plain Overload, One Coil and One Time Limit
50 Amperes or Less, 600 Volts or Less

Trade No.	No. of Poles	Ship. Wt. Pounds	Price Each
128201	2	25	\$30.90
128202	3	25	31.90
128203	4	35	44.50

One additional overload coil with one time-limit, \$8.60 extra.

Shunt trip, same price as overload.

No-voltage attachment, \$18.00 extra.

For omission of time-limit, deduct for each time-limit, \$1.00.

With the no-voltage attachment, additional shipping weight is 10 pounds.

Automatic, No-voltage, without Overload Coils
50 Amperes or Less, 600 Volts or Less

128204	2	25	34.00
128205	3	25	35.00
128206	4	35	40.50

All the above prices include necessary oil.

Additional charge for drilling entrance holes for conduit wiring, 5 cents net per hole.

Additional charge for drilling entrance holes and furnishing porcelain bushings for open wiring, 10 cents net per hole.

Type I
Exterior View
250 Volt

TYPE I OIL MOTOR STARTERS

The Type I Oil Starter meets the demand for a fused oil switch for use in starting small induction motors which are thrown directly on the line, without the use of a starting compensator.

It is a fundamental engineering principle that for safe and satisfactory operation, as well as for economical maintenance of the apparatus, the making and breaking of an alternating current circuit should take place in oil, irrespective of capacity or potential. The use of Type I Oil Starter permits the motor to be fused for proper overload protection without blowing the fuses on starting the motor and at the same time affords ample protection during the starting period. As it is totally enclosed there is no danger of the operator coming in contact with either the operating mechanism or any live parts.

30 Amperes or Less, 250 Volts or Less, without Fuses

46763	3	30	21.70
46764	4	35	27.80

With Fuses

46765	3	30	22.60
46766	4	35	28.90

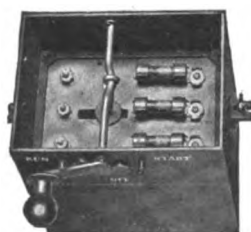
30 Amperes or Less, 251-600 Volts or Less, without Fuses

46767	3	35	35.60
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With Fuses

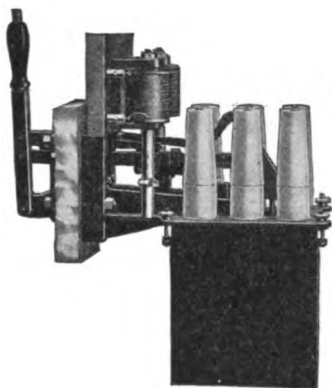
46768	3	35	37.00
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Additional charge for drilling entrance holes, 5 cents net per hole.

Type I
Interior View
250 Volt

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDIT TYPE E OIL CIRCUIT BREAKERS



The Type E switch was designed to meet the requirements for a reliable oil switch at a moderate price.

The tripping coils are mounted on a separate insulating support, which is fastened to the back of the switch, and the tripping is accomplished in a positive and simple manner.

All poles are immersed in a single-lined tank and contact parts are mounted on porcelain pillars, insuring high insulation.

The contacts are our well-known laminated type, equipped with renewable auxiliary contacts.

This switch is made with either secondary or primary tripping, and in all cases is so arranged that it cannot be held closed on a short circuit.

The prices include one current transformer for double-pole breakers and two current transformers for triple-pole and four-pole breakers.

Double-throw switches, both automatic and non-automatic, may be arranged so that only one side can be thrown in at a time.

6600 VOLTS OR LESS, ALTERNATING CURRENT

Non-Automatic, Switchboard or Wall Mounted

Cap. Amps.	Two-Pole		Single-Throw Three-Pole		Four-Pole		Two-Pole		Double-Throw Three-Pole		Four-Pole	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
100	080375	\$55.00	080417	\$59.00	080459	\$75.00	080501	\$87.00	080543	\$104.00	080585	\$126.00
200	080376	55.00	080418	59.00	080460	75.00	080502	87.00	080544	104.00	080586	126.00
300	080377	71.00	080419	83.00	080461	99.00	080503	129.00	080545	153.00	080587	183.00
400	080378	77.00	080420	91.00	080462	113.00	080504	138.00	080546	168.00	080588	210.00
500	080379	83.00	080421	99.00	080463	124.00	080505	148.00	080547	178.00	080589	217.00
600	080380	119.00	080422	158.00	080464	198.00	080506	178.00	080548	237.00	080590	296.00

3300 VOLTS OR LESS, ALTERNATING CURRENT

Automatic Primary Trip, Switchboard or Wall Mounted

100	080627	85.00	080669	109.00	080711	124.00	080753	119.00	080795	153.00	080837	173.00
200	080628	85.00	080670	109.00	080712	124.00	080754	119.00	080796	153.00	080838	173.00
300	080629	109.00	080671	138.00	080713	163.00	080755	162.00	080797	208.00	080839	237.00
400	080630	133.00	080672	178.00	080714	223.00	080756	200.00	080798	267.00	080840	333.00
500	080631	148.00	080673	198.00	080715	247.00	080757	223.00	080799	296.00	080841	370.00
600	080632	170.00	080674	227.00	080716	284.00	080758	257.00	080800	340.00	080842	428.00

4500 VOLTS OR LESS, ALTERNATING CURRENT

Automatic Transformer Trip, Switchboard or Wall Mounted

100	080639	131.00	080681	178.00	080723	198.00	080765	158.00	080807	223.00	080849	247.00
200	080640	131.00	080682	178.00	080724	198.00	080766	158.00	080808	223.00	080850	247.00
300	080641	150.00	080683	213.00	080725	237.00	080767	198.00	080809	277.00	080851	296.00
400	080642	153.00	080684	223.00	080726	252.00	080768	220.00	080810	291.00	080852	346.00
500	080643	158.00	080685	228.00	080727	257.00	080769	227.00	080811	306.00	080853	409.00
600	080644	247.00	080686	326.00	080728	407.00	080770	365.00	080812	490.00	080854	613.00

For larger capacities or higher voltages send for Bulletins Nos. 404-408.

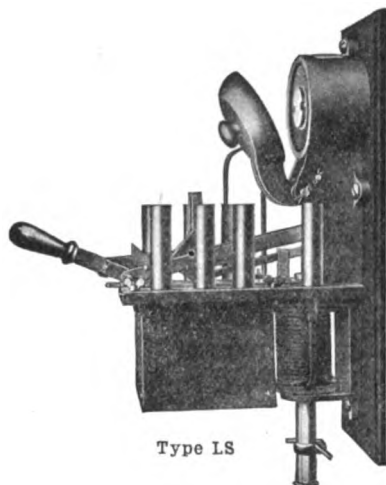
Attachments for Condit Type E Oil Circuit Breakers

Trade No.	Description	Price Additional Each
46688	Bell-ringing attachment.....	\$8.00
46689	No-voltage only, without overload, 220 volts.....	10.00
46690	No-voltage only, without overload, 600 volts.....	15.00
46691	No-voltage and overload, 110 or 220 volts or for use with potential transformer.....	40.00
46692	No-voltage and overload, 600 volts.....	45.00
46693	Push button or shunt trip opening.....	25.00
46694	Hand-operated remote control attachment.....	50.00
46695	Time limit attachment, Type B, per coil.....	8.00
46696	Switcholene, per gallon (can not included),.....	.90

Send for bulletin describing Type E apparatus, No. 403.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDIT TYPE LS OIL CIRCUIT BREAKERS



600, 440, 220, 110 VOLTS OR LESS,

ALTERNATING CURRENT

The Condit Type LS oil circuit breakers come in non-automatic, automatic, no-voltage only, and with overload, and can be supplied with many attachments, as shown below.

They are designed for use in connection with induction motors and have features to recommend them for this purpose. The mechanism is very simple, there being few parts, and it is specially adapted for dirty places. It is non-closable on overload. All parts are easily accessible. The oil can be easily removed.

These switches in automatic are listed only with one overload coil. See below for additions necessary when two overload coils are wanted. The location of the terminals make the use of these switches for switch-board work an easy matter. Send for a complete bulletin devoted to Type LS switches, No. 402.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Non-Automatic, Switchboard Mounted

Cap. Amps.	Two-Pole		Single-Throw Three-Pole		Four-Pole		Two-Pole		Double-Throw Three-Pole		Four-Pole	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
5- 50	049702	\$25.00	049718	\$30.00	049734	\$40.00	049750	\$50.00	049766	\$60.00	049782	\$80.00
75	049703	27.50	049719	32.50	049735	42.00	049751	55.00	049767	65.00	049783	84.00
100	049704	30.00	049720	35.00	049736	44.50	049752	60.00	049768	70.00	049784	89.00

Non-Automatic, Wall Mounted

5- 50	049710	20.00	049726	24.00	049742	32.00	049758	40.00	049774	48.00	049790	64.00
75	049711	22.00	049727	26.00	049743	33.50	049759	44.00	049775	52.00	049791	67.00
100	049712	24.00	049728	28.00	049744	35.50	049760	48.00	049776	56.00	049792	71.00

Plain Overload, Switchboard Mounted

5- 50	076310	44.50	076326	54.50	076342	69.00	076318	89.00	076334	109.00	076350	139.00
75	076311	47.00	076327	57.00	076343	74.50	076319	94.00	076335	114.00	076351	149.00
100	076312	49.50	076328	62.00	076344	79.50	076320	99.00	076336	124.00	076352	159.00

Plain Overload, Wall Mounted

5- 50	076358	35.50	076398	43.50	076438	55.50	076478	71.00	076518	87.00	076558	111.00
75	076359	37.50	076399	45.50	076439	59.50	076479	75.00	076519	91.00	076559	119.00
100	076360	39.50	076400	49.50	076440	63.50	076480	79.00	076520	99.00	076560	127.00

Plain No-Voltage, Switchboard Mounted

5- 50	076366	57.00	076406	67.00	076446	81.50	076486	114.00	076526	134.00	076566	163.00
75	076367	59.50	076407	69.00	076447	86.00	076487	119.00	076527	139.00	076567	173.00
100	076368	62.00	076408	74.50	076448	91.50	076488	124.00	076528	149.00	076568	183.00

Plain No-Voltage, Wall Mounted

5- 50	076374	45.50	076414	53.50	076454	65.00	076494	91.00	076534	107.00	076574	130.00
75	076375	47.50	076415	55.50	076455	69.00	076495	95.00	076535	111.00	076575	138.00
100	076376	49.50	076416	59.50	076456	73.00	076496	99.00	076536	119.00	076576	146.00

Overload and No-Voltage, Switchboard Mounted

5- 50	076382	75.00	076422	85.00	076462	100.00	076502	150.00	076542	170.00	076582	200.00
75	076383	77.50	076423	87.50	076463	105.00	076503	155.00	076543	175.00	076583	210.00
100	076384	80.00	076424	92.50	076464	110.00	076504	160.00	076544	185.00	076584	220.00

Overload and No-Voltage, Wall Mounted

5- 50	076390	60.00	076430	68.00	076470	80.00	076510	120.00	076550	136.00	076590	160.00
75	076391	62.00	076431	70.00	076471	84.00	076511	124.00	076551	140.00	076591	168.00
100	076392	64.00	076432	74.00	076472	88.00	076512	128.00	076552	148.00	076592	176.00

Attachments for Type LS Oil Circuit Breakers

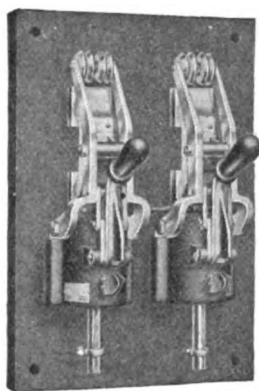
Trade No.	Description	Price Additional Each
46711	Bell ringing attachments.....	\$3.00
46712	Time limit, Type B, per coil.....	8.00
46713	Shunt trip and overload.....	25.00
46714	Shunt trip only.....	Same as overload.
46715	Double overload coil.....	13.00
46716	Switcholene, per gallon (can extra).....	.90

CONDIT CIRCUIT BREAKERS

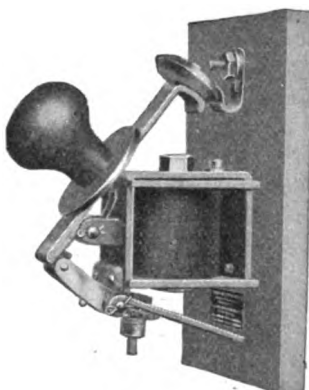
CARBON BREAK, PLAIN OVERLOAD, DIRECT CURRENT ONLY

TYPE K, 600, 220 AND 110 VOLTS OR LESS

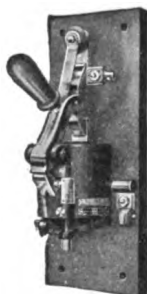
The Type K circuit breakers are designed for switchboard use and come regularly back connected for 2-inch mounting. The finish of the case is dead black, and all current-carrying parts polished copper. These breakers can be adapted for A.C. work but are special and prices will be supplied on application.



Type K



Type CA



Type CC

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Form	Cap. Amps. Cont. Duty	Single-Pole		Double-Pole		Triple-Pole	
		Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
KL	5	041727	\$30.00	041751	\$65.00	041775	\$95.00
KL	10	041728	30.00	041752	65.00	041776	95.00
KL	20	041729	30.00	041753	65.00	041777	95.00
KL	30	041730	32.00	041754	69.00	041778	106.00
KL	45	041731	32.00	041755	69.00	041779	106.00
KL	60	041732	35.00	041756	75.00	041780	115.00
KL	80	041733	35.00	041757	75.00	041781	115.00
KL	100	041734	40.00	041758	85.00	041782	130.00
KL	150	041735	40.00	041759	85.00	041783	130.00
KL	200	041736	50.00	041760	105.00	041784	160.00
M	300	041737	58.00	041761	116.00	041785	174.00
M	400	041738	64.00	041762	128.00	041786	192.00
M	500	041739	100.00	041763	200.00	041787	300.00
M	600	041740	114.00	041764	228.00	041788	342.00
N	700	041741	122.00	041765	244.00	041789	366.00
N	800	041742	130.00	041766	260.00	041790	390.00
N	1000	041743	140.00	041767	280.00	041791	420.00
O	1200	041744	160.00	041768	320.00	041792	480.00
O	1500	041745	200.00	041769	400.00	041793	600.00
P	2000	041746	360.00	041770	720.00	041794	1080.00
P	2500	041747	420.00	041771	840.00	041795	1260.00
Q	3000	041748	465.00	041772	930.00	.....	.....
Q	4000	041749	550.00	041773	1100.00	.....	.....
Q	5000	041750	800.00	041774	1600.00	.....	.....

Attachments for Type K Condit Circuit Breakers

Trade No.	Description	Price Additional Each
46753	Bell-ringing attachment.....	\$8.00
46754	Shunt trip only.....	Same as overload.
46755	Shunt trip and overload.....	25.00
46756	Underload only.....	Same as overload.
46757	Underload and overload.....	25.00
46758	No-voltage only, 220 volts.....	Same as overload.
46759	No-voltage and overload, 220 volts.....	35.00
46760	Reverse current only, 220 volts.....	75.00
46761	Reverse current and overload, 220 volts.....	100.00
46762	Time limit attachment, Type B, per pole.....	9.50

CEMCO TYPE, 600, 220 AND 110 VOLTS OR LESS

The Type CC circuit breakers are designed for motor work where dirt and moisture are excessive. They come regularly unpolished, front connected, on slate base. Back connected, polished, 25 per cent additional.

Form	Amperes	Single-Pole		Double-Pole		Triple-Pole	
		Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
CA	5	055152	\$12.00	055169	\$24.00	055180	\$36.00
CA	10	055153	12.00	055170	24.00	055181	36.00
CA	20	055154	12.00	055171	24.00	055182	36.00
CA	25	055155	12.00	055172	24.00	055183	36.00
CA	30	055156	12.00	055173	29.00	055184	36.00
CA	40	055157	12.00	055174	29.00	055185	36.00
CC	60	055158	20.00	055175	40.00	055186	60.00
CC	80	055159	20.00	055176	40.00	055187	60.00
CC	100	055160	30.00	055177	60.00	055188	90.00
CC	150	055161	30.00	055178	60.00	055189	90.00
CC	200	055162	30.00	055179	60.00	055190	90.00

ROLLER-SMITH CIRCUIT BREAKERS

INSTRUCTIONS FOR SELECTING CIRCUIT BREAKERS

ON TWO-WIRE CIRCUITS.—A single-pole plain overload gives protection and will save the fuses, but a fused knife switch must then also be employed. A double-pole plain overload breaker gives full automatic protection and fuses and switches can then be dispensed with.

ON THREE-WIRE CIRCUITS.—Either polyphase A. C. or three-wire D. C. use three-pole rigid arm breakers.

ON FOUR-WIRE CIRCUITS.—A double-pole rigid arm breaker gives protection if one pole is in one leg of one phase and the other pole in one leg of the other phase, but a fused knife switch must then also be employed. For full automatic protection use two two-pole rigid arm breakers.

ON BATTERY CHARGING CIRCUITS.—A plain underload circuit breaker will disconnect battery when charging current falls to about 10% of circuit breaker rating. Use combined overload and underload if overload protection is also desired.

ON ALL MOTOR CIRCUITS.—Specify no-voltage auxiliary trip if motor is to be cut off when line voltage fails. One trip serves for two-wire lines. On two and three-phase specify two no-voltage coils if there is a possibility of one phase alone failing; otherwise specify one no-voltage trip.

ON PUSH BUTTON TRIP LINES.—Specify one shunt trip auxiliary to trip breaker from a distance.

LARGER AND HIGHER VOLTAGE BREAKERS

Capacities not included in Roller-Smith Industrial line are supplied in Roller-Smith Standard Breakers.

BREAKER CAPACITY TABLE

The following table shows the ampere capacity of breakers to be used for the protection of motors. Necessarily average and not extreme values of motor efficiency had to be selected, but in general the table will be found conservative.

Horse Power	—DIRECT CURRENT—			ALTERNATING CURRENT							
	110 V.	220 V.	500 V.	SINGLE-PHASE		2-PHASE, 4-WIRE			3-PHASE, 3-WIRE		
	110 V.	220 V.	500 V.	110 V.	220 V.	110 V.	220 V.	440 V.	110 V.	220 V.	440 V.
1	10	5	* 3	15	10	10	5	* 3	10	5	* 3
2	30	10	* 5	30	15	15	10	* 5	15	10	* 5
3	30	15	* 10	45	30	30	15	* 5	30	15	* 10
5	45	30	* 10	60	30	30	15	* 10	45	20	* 10
7.5	60	30	* 20	80	45	45	30	* 10	45	30	* 20
10	80	45	* 30	100	60	60	30	* 20	60	30	* 20
15	*150	60	* 30	*150	80	80	45	* 20	80	45	* 30
20	*150	80	* 45	*200	100	100	60	* 30	100	60	* 30
25	*200	100	* 45	*200	100	*150	60	* 45	*150	80	* 45
30	*300	*150	* 60	*300	*150	*150	80	* 45	*150	80	* 45
50	*400	*200	* 80	*500	*300	*300	*150	* 80	*300	*150	* 80
75	*600	*300	*150	*600	*400	*400	*200	*100	*400	*200	*100

*These breakers are made in standard model only. All others are made in both industrial and standard models.

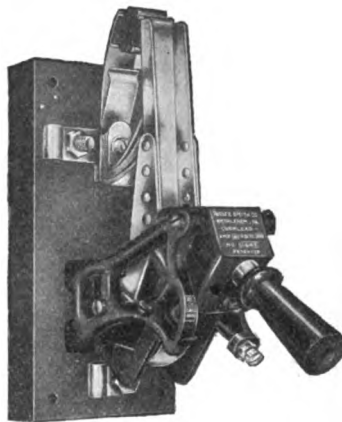
Note that standard breakers are supplied only with back connections, but for either switch-board or wall mounting, as specified.

Industrial breakers are supplied only with front connections for wall mounting.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ROLLER-SMITH INDUSTRIAL CIRCUIT BREAKERS

D. C. AND A. C.



60 Amperes Capacity

Circuit breakers should be recommended in preference to fused switches for all motor and most lighting circuits. While a little more expensive in first cost, they are far more accurate and reliable than fuse protection and eliminate all cost of renewals. Besides this, fuses are seldom right at hand to replace those which have blown, and while others are being hunted up, men and machinery are idle. With a circuit breaker, on the other hand, a single motion instantly restores normal circuit conditions. Circuit breakers also remove the temptation to fuse too heavily or cut out fuses by substituting copper wire, an important point in minimizing fire risk.

Roller-Smith Industrial Breakers are designed for use on 250 volts and under, D. C. or A. C. Mounted on slate bases, front connections, with terminal lugs.

Finish, black frame and dipped copper parts.

Operation, pull down on handle to close, and up to open.

PLAIN OVERLOAD

Rated Amperes Capacity	Range of Adjustment	Single- Pole	Double- Pole	Triple- Pole
3	3- 6	\$19.00	\$38.00	\$57.00
5	5- 10	19.00	38.00	57.00
10	10- 20	19.00	38.00	57.00
15	15- 30	19.00	38.00	57.00
30	30- 60	19.00	38.00	57.00
45	45- 90	19.00	38.00	57.00
60	60-120	22.50	45.00	67.50
80	80-160	22.50	45.00	67.50
100	100-200	22.50	45.00	67.50

Two-pole breakers supplied with independent arm and three-pole with rigid arm, unless otherwise specified. No extra charge for rigid arm.

AUXILIARY TRIPS

Plain underload, operated when current drops to about 10 per cent of rated current, same price as plain overload.

Underload and overload, add \$10.00 to list price of plain overload.

Shunt trip and overload, add \$9.60 to list price of plain overload. Shunt trip is to operate breaker from special push button or other device located at a distance.

No-voltage and overload, add \$12.00 for each no-voltage attachment (only one required, except on A. C. polyphase, which requires two).

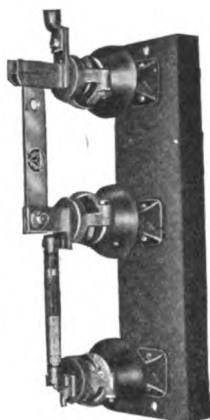
Directions for Ordering

State ampere rating, voltage, A. C. or D. C., frequency if A. C., number of poles, and rigid or independent arms.

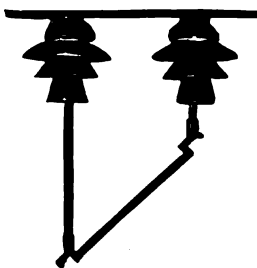
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DELTA-STAR SPECIALTIES

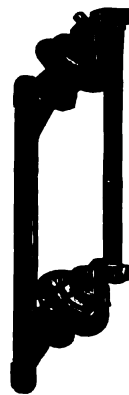
DISCONNECTING SWITCHES, ENTRANCE TUBES, COMBINATION
SWITCHES AND FUSES



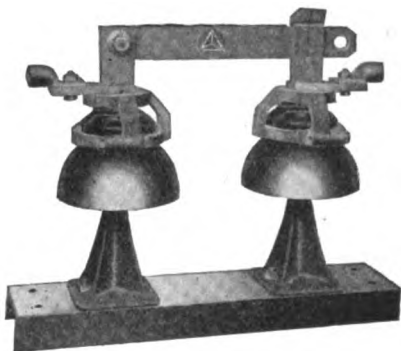
**Type BF Combination
Switch and S & C Fuse**



**Weatherproof Fuses
6600-66000 Volts
Type F Mounting**



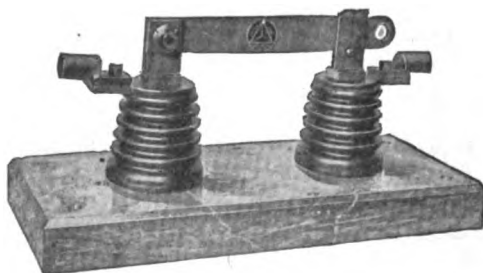
**Fuse and Type G Mounting
For Use on Poles or Walls**



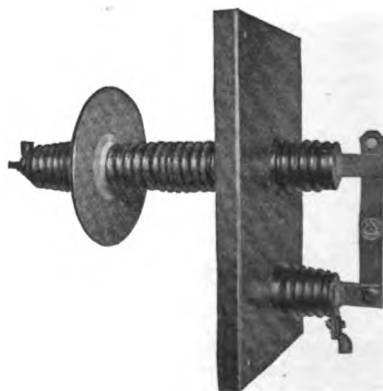
**Type B Switch, Steel Base
6600-66000 Volts**



**Type F Switch, Pole Mounting
Locked Blade Type**



**Type C Switch
(B. V. Marble Base)
6600-66000 Volts**



**Type ES Entrance Tube and Switch
(B. V. Marble Base)
6600-44000 Volts**

Complete technical bulletin sent upon request.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DELTA-STAR DISCONNECTING SWITCHES

HIGH TENSION

Type K



Type K



Type A



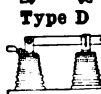
Type B



Type C



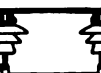
Type D



Type D Combination



Type E

Type F Switch
InstalledType F Switch
Installed Plan View

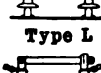
Type FB



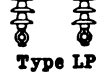
Type FP



Type L



Type LP



Type LI

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

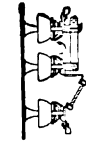
CAPACITY		FRONT CONNECTED			BACK CONNECTED			Comb. B. C.—F. C.		
Amps.	Volts	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
300	3300	29288	8190	\$16.00	29293	8195	\$16.00	29298	8180	\$16.00
600	3300	29289	8191	32.00	29294	8196	32.00	29299	8181	32.00
1200	3300	29290	8192	62.00	29295	8197	62.00	29300	8182	62.00
1600	3300	29291	8193	82.00	29296	8198	82.00	29301	8183	82.00
2000	3300	29292	8194	115.00	29297	8199	115.00	29302	8184	115.00
		Type A			Type B			Type C		
300	6600	042717	8200	14.00	042756	8213	16.00	042732	8226	18.00
600	6600	042718	8201	24.00	042757	8214	32.00	042733	8227	34.00
1200	6600	042719	8202	34.00	042758	8215	62.00	042734	8228	66.00
300	13200	042720	8203	18.00	042759	8216	20.00	042735	8229	22.00
600	13200	042721	8204	28.00	042760	8217	38.00	042736	8230	44.00
1200	13200	042722	8205	42.00	042761	8218	68.00	042737	8231	72.00
300	22000	042723	8206	22.00	042762	8219	24.00	042738	8232	26.00
600	22000	042724	8207	34.00	042763	8220	44.00	042739	8233	46.00
300	33000	042726	8208	32.00	042765	8221	34.00	042741	8234	36.00
600	33000	042727	8209	46.00	042766	8222	50.00	042742	8235	52.00
300	44000	042729	8210	48.00	042768	8223	72.00	29307	8236	62.00
100	66000	29303	8211	55.00	29305	8224	80.00	.....	.....	.....
300	66000	29304	8212	60.00	29306	8225	90.00	.....	.....	.....
		Type D			Type D Combination			Type E		
300	6600	042771	8237	40.00	042744	8248	30.00	042783	8259	17.00
600	6600	042772	8238	60.00	042745	8249	46.00	042784	8260	33.00
1200	6600	042773	8239	100.00	042746	8250	84.00	042785	8261	64.00
300	13200	042774	8240	44.00	042747	8251	32.00	042786	8262	22.00
600	13200	042775	8241	70.00	042748	8252	54.00	042787	8263	40.00
1200	13200	042776	8242	110.00	042749	8253	90.00	042788	8264	72.00
300	22000	042777	8243	60.00	042750	8254	40.00	042789	8265	28.00
600	22000	042778	8244	80.00	042751	8255	62.00	042790	8266	48.00
300	33000	042780	8245	72.00	042753	8256	54.00	042792	8267	38.00
600	33000	042781	8246	94.00	042754	8257	74.00	042793	8268	54.00
300	44000	29308	8247	104.00	29309	8258	84.00	042795	8269	74.00
100	66000	.....	.....	.....	.....	.....	.....	29310	8270	94.00
300	66000	.....	.....	.....	.....	.....	.....	29311	8271	100.00
		Type F			Type FB			Type FP		
300	6600	042669	8272	20.00	29314	8285	24.00	29327	8298	22.00
600	6600	042670	8273	36.00	29315	8286	40.00	29328	8299	38.00
1200	6600	042671	8274	70.00	29316	8287	75.00	29329	8300	72.00
300	13200	042672	8275	24.00	29317	8288	29.00	29330	8301	26.00
600	13200	042673	8276	45.00	29318	8289	50.00	29331	8302	47.00
1200	13200	042674	8277	75.00	29319	8290	80.00	29332	8303	77.00
300	22000	042675	8278	30.00	29320	8291	35.00	29333	8304	32.00
600	22000	042676	8279	50.00	29321	8292	55.00	29334	8305	52.00
300	33000	042802	8280	50.00	29322	8293	55.00	29335	8306	52.00
600	33000	042803	8281	66.00	29323	8294	70.00	29336	8307	68.00
300	44000	042805	8282	80.00	29324	8295	85.00	29337	8308	82.00
100	66000	29312	8283	90.00	29325	8296	96.00	29338	8309	92.00
300	66000	29313	8284	95.00	29326	8297	100.00	29339	8310	97.00
		Type L			Type LP			Type LI		
100	66000	29340	8319	100.00	29342	8323	100.00	29344	8321	100.00
100	116000	29341	8320	125.00	29343	8324	125.00	29345	8322	125.00

NOTE.—Type LI is for inverted pipe mounting, but can be supplied with steel base.

Complete technical bulletin sent upon request.

DELTA-STAR COMBINATION DISCONNECTING SWITCHES AND S & C FUSES

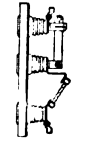
FOR POTENTIALS NOT EXCEEDING 6600 VOLTS



Type BF

Trade No.	Mfrs. No.	Type	PRICE, EACH FUSE AMPERE CAPACITY				
			1-5	6-10	11-25	26-50	51-100
29722	8650	BF	\$30.00	\$31.00	\$33.00	\$36.00	\$44.00
29723	8651	CF	34.00	35.00	37.00	40.00	58.00
29724	8652	DF	45.00	46.00	48.00	52.00	59.00
29725	8653	DCF	40.00	41.00	43.00	47.00	43.00
29726	8654	EF	32.00	33.00	35.00	39.00	46.00
29727	8655	FBF	40.00	41.00	43.00	47.00	54.00
29728	8656	GF	40.00	41.00	43.00	47.00	54.00

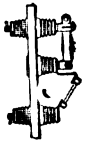
FOR POTENTIALS NOT EXCEEDING 13200 VOLTS



Type CP

Trade No.	Mfrs. No.	Type	PRICE, EACH FUSE AMPERE CAPACITY			
			1-5	6-10	11-25	26-50
29729	8657	BF	\$38.00	\$39.00	\$43.00	\$46.00
29730	8658	CF	43.00	44.00	48.00	51.00
29731	8659	DF	60.00	61.00	65.00	68.00
29732	8660	DCF	50.00	51.00	55.00	58.00
29733	8661	EF	41.00	42.00	46.00	48.00
29734	8662	FBF	50.00	51.00	55.00	58.00
29735	8663	GF	50.00	51.00	55.00	58.00

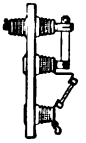
FOR POTENTIALS NOT EXCEEDING 22000 VOLTS



Type DF

29736	8664	BF	44.00	45.00	49.00	52.00
29737	8665	CF	50.00	51.00	55.00	58.00
29738	8666	DF	68.00	69.00	73.00	76.00
29739	8667	DCF	58.00	59.00	63.00	66.00
29740	8668	EF	50.00	51.00	55.00	58.00
29741	8669	FBF	58.00	59.00	63.00	66.00
29742	8670	GF	58.00	59.00	63.00	66.00

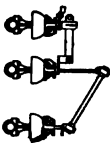
FOR POTENTIALS NOT EXCEEDING 33000 VOLTS



Type DCF

Trade No.	Mfrs. No.	Type	PRICE, EACH FUSE AMPERE CAPACITY		
			1-5	6-10	11-35
29743	8671	BF	\$63.00	\$66.00	\$79.00
29744	8672	CF	70.00	73.00	86.00
27745	8673	DF	90.00	93.00	106.00
29746	8674	DCF	80.00	83.00	96.00
29747	8675	EF	67.00	70.00	83.00
29748	8676	FBF	80.00	83.00	96.00
29749	8677	GF	80.00	83.00	96.00

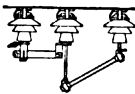
FOR POTENTIALS NOT EXCEEDING 44000 VOLTS



Type EF

Trade No.	Mfrs. No.	Type	PRICE, EACH FUSE AMPERE CAPACITY		
			1-5	6-10	11-25
29750	8678	BF	\$110.00	\$114.00	\$132.00
29751	8679	CF	125.00	129.00	147.00
29752	8680	DF	145.00	149.00	167.00
29753	8681	DCF	135.00	139.00	157.00
29754	8682	EF	104.00	108.00	126.00
29755	8683	FBF	135.00	139.00	157.00
29756	8684	GF	135.00	139.00	157.00

FOR POTENTIALS NOT EXCEEDING 66000 VOLTS



Type FBF

Trade No.	Mfrs. No.	Type	PRICE, EACH FUSE AMPERE CAPACITY		
			1-5	6-10	11-20
29757	8685	BF	\$147.00	\$153.00	\$180.00
29758	8686	EF	152.00	158.00	185.00
29759	8687	FBF	169.00	175.00	202.00
29760	8688	GF	169.00	175.00	202.00
29761	8689	SF	200.00	206.00	233.00
29762	8690	SPF	200.00	206.00	233.00



Type GF

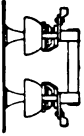
Always specify ampere capacity when ordering.

Complete technical bulletin sent upon request.

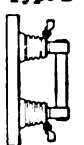
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DELTA-STAR HIGH POTENTIAL S & C FUSES WITH MOUNTINGS POWER SERVICE


FOR POTENTIALS NOT EXCEEDING 6600 VOLTS

Trade No.	Mfrs. No.	Type	PRICE, EACH AMPERE CAPACITY				
			1-5	6-10	11-25	26-50	51-100
 Type B	29801	8100 B	\$17.00	\$18.00	\$20.00	\$23.00	\$31.00
	29802	8101 C	19.00	20.00	22.00	25.00	33.00
	29803	8102 D	30.00	31.00	33.00	37.00	44.00
	29804	8103 D Com.	25.00	26.00	28.00	32.00	39.00
	29805	8104 E	18.00	19.00	21.00	25.00	32.00
	29806	8105 F**	25.00	26.00	28.00	32.00	39.00
	29807	8106 FF	25.00	26.00	28.00	32.00	39.00
	29808	8107 G	25.00	26.00	28.00	32.00	39.00


FOR POTENTIALS NOT EXCEEDING 13200 VOLTS

 Type C	29809	8108 B	22.00	23.00	27.00	30.00	.....
	29810	8109 C	25.00	26.00	30.00	33.00	.....
	29811	8110 D	42.00	43.00	47.00	50.00	.....
	29812	8111 D Com.	32.00	33.00	37.00	40.00	.....
	29813	8112 E	23.00	24.00	28.00	31.00	.....
	29814	8113 F**	32.00	33.00	37.00	40.00	.....
	29815	8114 FF	32.00	33.00	37.00	40.00	.....
	29816	8115 G	32.00	33.00	37.00	40.00	.....

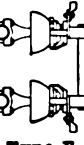
FOR POTENTIALS NOT EXCEEDING 22000 VOLTS

 Type D	29817	8116 B	24.00	25.00	29.00	32.00	.....
	29818	8117 C	29.00	30.00	34.00	37.00	.....
	29819	8118 D	47.00	48.00	52.00	55.00	.....
	29820	8119 D Com.	37.00	38.00	42.00	45.00	.....
	29821	8120 E	25.00	26.00	30.00	33.00	.....
	29822	8121 F**	37.00	38.00	42.00	45.00	.....
	29823	8122 FF	37.00	38.00	42.00	45.00	.....
	29824	8123 G	37.00	38.00	42.00	45.00	.....

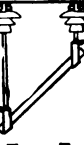
FOR POTENTIALS NOT EXCEEDING 33000 VOLTS

 Type D Combination	29825	8124 B	36.00	39.00	52.00	.....	.....
	29826	8125 C	41.00	44.00	57.00	.....	.....
	29827	8126 D	61.00	64.00	77.00	.....	.....
	29828	8127 D Com.	51.00	54.00	67.00	.....	.....
	29829	8128 E	37.00	40.00	53.00	.....	.....
	29830	8129 F**	51.00	54.00	67.00	.....	.....
	29831	8130 FF	51.00	54.00	67.00	.....	.....
	29832	8131 G	51.00	54.00	67.00	.....	.....

FOR POTENTIALS NOT EXCEEDING 44000 VOLTS

 Type E	29833	8132 B	53.00	57.00	75.00	.....	.....
	29834	8133 C	58.00	62.00	80.00	.....	.....
	29835	8134 D	78.00	82.00	100.00	.....	.....
	29836	8135 D Com.	68.00	72.00	90.00	.....	.....
	29837	8136 E	54.00	58.00	76.00	.....	.....
	29838	8137 F**	68.00	72.00	90.00	.....	.....
	29839	8138 FF	68.00	72.00	90.00	.....	.....
	29840	8139 G	68.00	72.00	90.00	.....	.....

FOR POTENTIALS NOT EXCEEDING 66000 VOLTS

 Type F	29841	8140 B	82.00	88.00	*115.00	.....	.....
	29842	8141 E	83.00	89.00	*116.00	.....	.....
	29843	8142 F**	97.00	103.00	*130.00	.....	.....
	29844	8143 FF	97.00	103.00	*130.00	.....	.....
	29845	8144 G	97.00	103.00	*130.00	.....	.....
	29846	8145 S†	127.00	133.00	*160.00	.....	.....
	29847	8146 SS†	127.00	133.00	*160.00	.....	.....
	29848	8147 SP†	128.00	134.00	*161.00	.....	.....

When placing orders specify ampere capacity of fuse desired.

Prices on 88000 and 110000-volt fuses quoted upon application. Made with suspension type insulators.

*Capacity of fuse, 11 to 20 amperes.

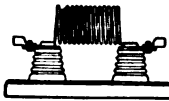
**When desired the Type F inverted mounting can be supplied for 1¼-inch pipe mounting at same price.

†Type S mountings are similar to Type F, except that suspension form insulators are used. Type SP is for pipe mounting.

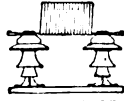
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

 Type G Fused Switch

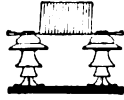
DELTA-STAR HIGH TENSION CHOKE COILS



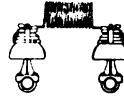
Type BCM



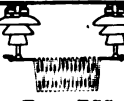
Type CCM



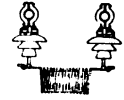
Type BCS



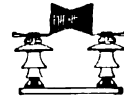
Type ECP



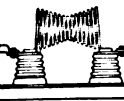
Type FCS



Type FCP



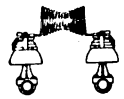
Type BHM



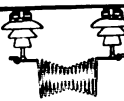
Type CHM



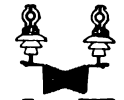
Type BHS



Type EHP



Type FHS



Type FHP

CYLINDER FORM COILS

CAPACITY Amps. Volts	Type BCM			Type CCM			Type BCS		
	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
100 6600	042837	8381	\$26.00	29579	8405	\$28.00	29590	8425	\$20.00
100 13200	042838	8382	36.00	29580	8406	39.00	29591	8426	30.00
100 22000	042839	8383	40.00	29581	8407	45.00	29592	8427	34.00
100 33000	042840	8384	46.00	29582	8408	51.00	29593	8428	40.00
100 44000	042841	8385	60.00	29583	8409	65.00	29594	8429	54.00
100 66000	29548	8386	76.00	.....	.....	.....	29595	8430	70.00
200 6600	042842	8387	28.00	29584	8410	31.00	29596	8431	22.00
200 13200	042843	8388	40.00	29585	8411	43.00	29597	8432	32.00
200 22000	042844	8389	44.00	29586	8412	49.00	29598	8433	38.00
200 33000	042845	8390	50.00	29587	8413	55.00	29599	8434	44.00
200 44000	042846	8391	66.00	29588	8414	71.00	29600	8435	58.00
200 66000	29549	8392	80.00	.....	.....	.....	29601	8436	75.00

CAPACITY Amps. Volts	Type ECP			Type FCS			Type FCP		
	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
100 6600	29602	8449	21.00	29614	8473	27.00	29628	8497	28.00
100 13200	29603	8450	31.00	29615	8474	39.00	29629	8498	40.00
100 22000	29604	8451	35.00	29616	8475	46.00	29630	8499	47.00
100 33000	29605	8452	41.00	29617	8476	54.00	29631	8500	55.00
100 44000	29606	8453	55.00	29618	8477	68.00	29632	8501	69.00
100 66000	29607	8454	71.00	29619	8478	80.00	29633	8502	81.00
200 6600	29608	8455	23.00	29620	8479	29.00	29634	8503	30.00
200 13200	29609	8456	33.00	29621	8480	41.00	29635	8504	42.00
200 22000	29610	8457	39.00	29622	8481	48.00	29636	8505	49.00
200 33000	29611	8458	45.00	29625	8482	56.00	29637	8506	57.00
200 44000	29612	8459	59.00	29626	8483	70.00	29638	8507	71.00
200 66000	29613	8460	75.00	29627	8484	85.00	29639	8508	86.00

HOUR GLASS FORM COILS

CAPACITY Amps. Volts	Type BHM			Type CHM			Type BHS		
	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
100 6600	29640	8393	26.00	29652	8415	28.00	29662	8437	20.00
100 13200	29641	8394	36.00	29653	8416	39.00	29663	8438	30.00
100 22000	29642	8395	40.00	29654	8417	45.00	29664	8439	34.00
100 33000	29643	8396	46.00	29655	8418	51.00	29665	8440	40.00
100 44000	29644	8397	60.00	29656	8419	65.00	29666	8441	54.00
100 66000	29645	8398	76.00	.....	.....	.....	29667	8442	70.00
200 6600	29646	8399	28.00	29657	8420	31.00	29668	8443	22.00
200 13200	29647	8400	40.00	29658	8421	43.00	29669	8444	32.00
200 22000	29648	8401	44.00	29659	8422	49.00	29670	8445	38.00
200 33000	29649	8402	50.00	29660	8423	55.00	29671	8446	44.00
200 44000	29650	8403	66.00	29661	8424	71.00	29672	8447	58.00
200 66000	29651	8404	80.00	.....	.....	.....	29673	8448	75.00

CAPACITY Amps. Volts	Type EHP			Type FHS			Type FHP		
	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
100 6600	29674	8461	21.00	29686	8485	27.00	29698	8509	28.00
100 13200	29675	8462	31.00	29687	8486	39.00	29699	8510	40.00
100 22000	29676	8463	35.00	29688	8487	46.00	29700	8511	47.00
100 33000	29677	8464	41.00	29689	8488	54.00	29701	8512	55.00
100 44000	29678	8465	55.00	29690	8489	68.00	29702	8513	69.00
100 66000	29679	8466	71.00	29691	8490	80.00	29703	8514	81.00
200 6600	29680	8467	23.00	29692	8491	29.00	29704	8515	30.00
200 13200	29681	8468	33.00	29693	8492	41.00	29705	8516	42.00
200 22000	29682	8469	39.00	29694	8493	48.00	29706	8517	49.00
200 33000	29683	8470	45.00	29695	8494	56.00	29707	8518	57.00
200 44000	29684	8471	59.00	29696	8495	70.00	29708	8519	71.00
200 66000	29685	8472	75.00	29697	8496	85.00	29709	8520	86.00

Types BCM, CCM, BHM, and CHM have B. V. marble bases.

Types BCS, FCS, BHS, and FHS have steel bases.

Types ECP, FCP, EHP, and FHP have pipe supports.

Complete technical bulletin sent upon request.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DELTA-STAR INDOOR FORM UNIT TYPE DISCONNECTING SWITCHES



Type U-14 Switch

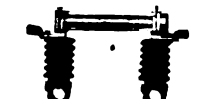


Type J-14 Switch

SINGLE POLE FRONT CONNECTED DISCONNECTING SWITCHES

Volts	CAPACITY Amps.	Type U-14		Type J-14	
		Trade No.	Price Each	Trade No.	Price Each
6600	300	135107	\$14.00	135140	\$15.00
6600	600	135108	21.00	135141	20.00
6600	800	135109	28.00	135142	30.00
13200	300	135110	17.00	135143	18.00
13200	600	135111	24.00	135144	24.00
13200	800	135112	31.00	135145	34.00
22000	300	135113	24.00	135146	28.00
22000	600	135114	34.00	135147	35.00
22000	800	135115	41.00	135148	44.00

SINGLE POLE FRONT CONNECTED FUSE MOUNTINGS



Type U-11 Mounting



Type J-11 Mounting

Volts	CAPACITY Amps.	Type U-11		Type J-11	
		Trade No.	Price Each	Trade No.	Price Each
6600	0- 10	135116	\$11.00	135401	\$12.00
6600	11- 25	135117	11.00	135402	12.00
6600	26- 50	135118	12.00	135403	13.00
6600	51-100	135119	13.00	135404	14.00
6600	101-200	135120	14.00	135405	15.00
13200	0- 10	135121	14.00	135406	16.00
13200	11- 25	135122	14.00	135407	16.00
13200	26- 50	135123	15.00	135408	17.00
13200	51-100	135124	16.00	135409	18.00
13200	101-200	135125	17.00	135410	19.00
22000	0- 10	135126	19.00	135411	25.00
22000	11- 25	135127	19.00	135412	25.00
22000	26- 50	135128	20.00	135413	26.00
22000	51-100	135129	21.00	135414	27.00
22000	101-200	135130	22.00	135415	28.00

NOTE: Prices do not include fuses which are listed below.



Type U-11 Choke Coil



Type J-11 Choke Coil

SINGLE POLE FRONT CONNECTED CHOKE COILS

Volts	CAPACITY Amps.	Type U-11		Type J-11	
		Trade No.	Price Each	Trade No.	Price Each
6600	100	135131	\$27.00	135416	\$27.00
6600	200	135132	32.00	135417	32.00
6600	300	135133	37.00	135418	37.00
13200	100	135134	33.00	135419	35.00
13200	200	135135	38.00	135420	40.00
13200	300	135136	43.00	135421	45.00
22000	100	135137	43.00	135422	45.00
22000	200	135138	48.00	135423	50.00
22000	300	135139	53.00	135424	55.00

S & C CARBON-TETRACHLORIDE FUSES ONLY

For Unit Type Mountings

Rated Volts	Fuse Centers Inches	Pot. Trans.	CAPACITY, AMPERES					
			1 to 5	6 to 10	11 to 25	26 to 50	51 to 100	101-200
6600	8	\$ 6.00	\$ 7.00	\$ 8.00	\$10.00	\$14.00	\$22.00	\$24.00
13200	11½	7.00	9.00	11.00	16.00	21.00	30.00	36.00
22000	11½	7.00	9.00	11.00	16.00	21.00	30.00	36.00
33000	15	12.00	15.00	19.00	36.00	52.00	80.00	.....
44000	18	18.00	24.00	30.00	56.00	76.00	.....	.....
66000	24	28.00	36.00	44.00	80.00	100.00	.....	.....
88000	30	50.00	56.00	70.00	100.00	.....	.....	.....
110000	36	72.00	80.00	100.00	.....	.....	.....	.....

When ordering fuses, give exact ampere rating of fuse.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DELTA-STAR UNIT TYPE BUS BAR SUPPORTS

A TYPE FOR EVERY PURPOSE



Type RP



Type VP



Type WP



Type IP



Type HP



Type TP



Type BP



Type RU



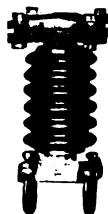
Type VU



Type WU



Type IU



Type HU



Type TU



Type BU



Type RS



Type VS



Type WS



Type IS



Type HS



Type TS



Type BS



Type RL



Type VL



Type WL



Type IL



Type HL



Type TL



Type BL



Type RK



Type VK



Type WK



Type IK



Type HK



Type TK



Type BK

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

See following page for prices.

DELTA-STAR UNIT TYPE BUS BAR SUPPORTS

Prices given below are for Type P unit only. For Type U add 50 cents to list. Type S same price as Type P. For Type L, add 25 cents to list. For Type K, add 75 cents to list. For illustrations, see previous page.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

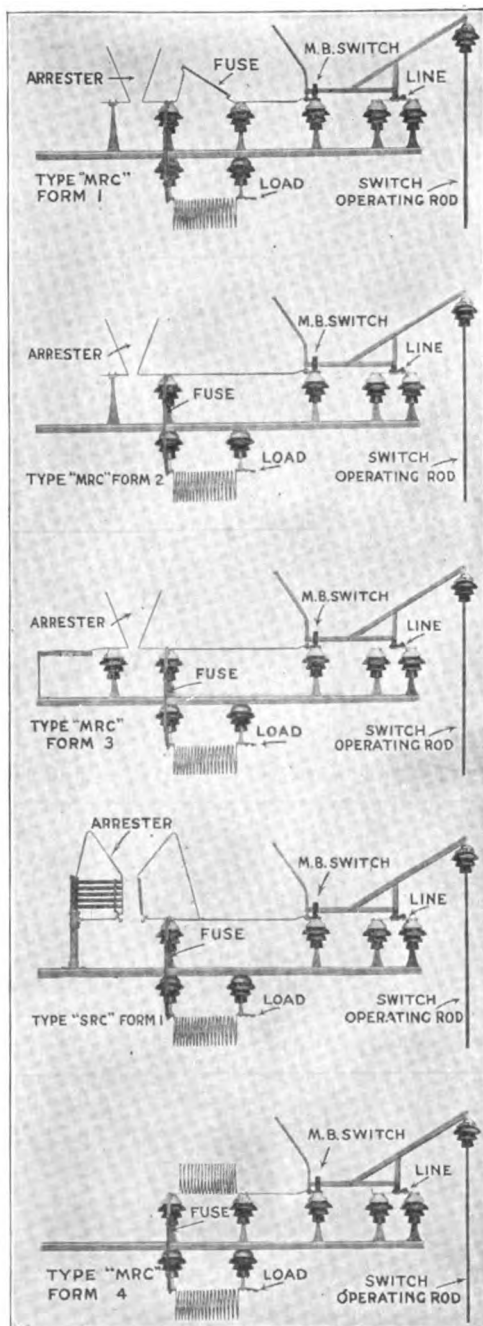
TYPE RP						
*Bus Bar Dimens., In.	6600 Volts		13200 Volts		22000 Volts	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
up to $\frac{3}{4}$	86528	\$4.50	86534	\$6.00	86540	\$8.00
$\frac{3}{4}$ to 1	86529	4.50	86535	6.00	86541	8.00
1 to $1\frac{1}{2}$	86530	4.75	86536	6.25	86542	8.25
$1\frac{1}{2}$ to 2	86531	5.00	86537	6.50	86543	8.50
2 to $2\frac{1}{2}$	86532	5.25	86538	6.75	86544	8.75
$2\frac{1}{2}$ to 3	86533	5.50	86539	7.00	86545	9.00
TYPE VP						
$1\frac{1}{2}$	86546	4.00	86554	5.50	86562	7.50
2	86547	4.25	86555	5.75	86563	7.75
$2\frac{1}{2}$	86548	4.50	86556	6.00	86564	8.00
3	86549	4.75	86557	6.25	86565	8.25
$3\frac{1}{2}$	86550	5.00	86558	6.50	86566	8.50
4	86551	5.25	86559	6.75	86567	8.75
5	86552	5.50	86560	7.00	86568	9.00
6	86553	5.75	86561	7.25	86569	9.25
TYPE WP						
$1\frac{1}{2}$	86570	5.25	86578	6.75	86586	8.75
2	86571	5.50	86579	7.00	86587	9.00
$2\frac{1}{2}$	86572	5.75	86580	7.25	86588	9.25
3	86573	6.00	86581	7.50	86589	9.50
$3\frac{1}{2}$	86574	6.25	86582	7.75	86590	9.75
4	86575	6.50	86583	8.00	86591	10.00
5	86576	6.75	86584	8.25	86592	10.25
6	86577	7.00	86585	8.50	86593	10.50
TYPE IP						
$1\frac{1}{2}$	86594	4.75	86602	6.25	86610	8.25
2	86595	5.00	86603	6.50	86611	8.50
$2\frac{1}{2}$	86596	5.25	86604	6.75	86612	8.75
3	86597	5.50	86605	7.00	86613	9.00
$3\frac{1}{2}$	86598	5.75	86606	7.25	86614	9.25
4	86599	6.00	86607	7.50	86615	9.50
5	86600	6.25	86608	7.75	86616	9.75
6	86601	6.50	86609	8.00	86617	10.00
TYPE HP						
$1\frac{1}{2}$	86618	5.25	86626	6.75	86634	8.75
2	86619	5.50	86627	7.00	86635	9.00
$2\frac{1}{2}$	86620	5.75	86628	7.25	86636	9.25
3	86621	6.00	86629	7.50	86637	9.50
$3\frac{1}{2}$	86622	6.25	86630	7.75	86638	9.75
4	86623	6.50	86631	8.00	86639	10.00
5	86624	6.75	86632	8.25	86640	10.25
6	86625	7.00	86633	8.50	86641	10.50
TYPE TP						
$1\frac{1}{2}$	86642	3.50	86650	5.00	86658	7.00
2	86643	3.75	86651	5.25	86659	7.25
$2\frac{1}{2}$	86644	4.00	86652	5.50	86660	7.50
3	86645	4.25	86653	5.75	86661	7.75
$3\frac{1}{2}$	86646	4.50	86654	6.00	86662	8.00
4	86647	4.75	86655	6.25	86663	8.25
5	86648	5.00	86656	6.50	86664	8.50
6	86649	5.25	86657	6.75	86665	8.75
TYPE BP						
$1\frac{1}{2}$ to 6	86666	3.50	86667	5.00	86668	7.00

*Dimensions given on Type RP are for round bus bar; on Types VP, WP and TP, for height of bus bar; and Types IP, HP and BP, for width of bus bar.

For complete information, ask for technical Bulletin No. 8.

DELTA-STAR OUTDOOR SUB-STATION UNITS

The outdoor sub-station units, listed on the following page, are complete with switching, fusing, and lightning arrester equipment for controlling and opening loaded circuits. Each unit is equipped with a steel channel base suitable for wooden pole or steel tower sub-stations.



NUMBER OF UNITS

Two units are required for single-phase service, three units for three-phase service.

SWITCHES

The switches are mechanically interlocked, all phases being simultaneously opened and closed with an operating mechanism supplied with the equipment.

FUSES

The carbon-tetrachloride fuses have quick opening characteristics and high rupturing capacity. The prices include fuses of ampere capacities indicated.

DESIGN

The sub-station units are of the same general type, employing the single break per phase MB switch with various forms of lightning arresters.

MRC FORM-1

This unit is equipped with simple horn arresters and limiting fuse.

MRC FORM-2

Same as Form-1 except that fuse is not in series with horn arrester.

MRC FORM-3

Same as Form-2 except that horn arrester has limiting resistance in ground circuit.

SRC FORM-1

Same as MRC Form-3 except that high speed sphere gap arrester is used.

MRC FORM-4

Horn arrester is omitted and has double choke coil protection.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DELTA-STAR OUTDOOR SUB-STATION UNITS

13200-VOLT SINGLE-POLE UNITS WITH FUSES AND M. B. SWITCHES

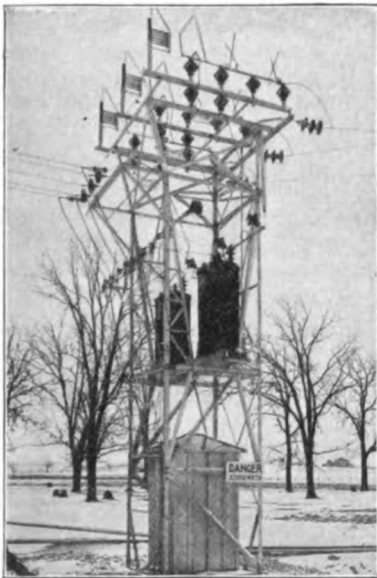
Cap. Fuses Amps.	MRC Form-1		MRC Form-2		MRC Form-3		MRC Form-4		SRC Form-1	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
1-5	86935	\$118.00	134820	\$118.00	134832	\$168.00	134844	\$158.00	134856	\$198.00
6-10	86937	123.00	134821	123.00	134833	173.00	134845	163.00	134857	203.00
11-25	86939	128.00	134822	128.00	134834	178.00	134846	168.00	134858	208.00
26-50	86941	138.00	134823	138.00	134835	188.00	134847	178.00	134859	218.00
51-100	86943	152.00	134824	152.00	134836	202.00	134848	192.00	134860	232.00
101-200	134818	162.00	134825	162.00	134837	212.00	134849	202.00	134861	242.00

22000-VOLT SINGLE-POLE UNITS WITH FUSES AND M. B. SWITCHES

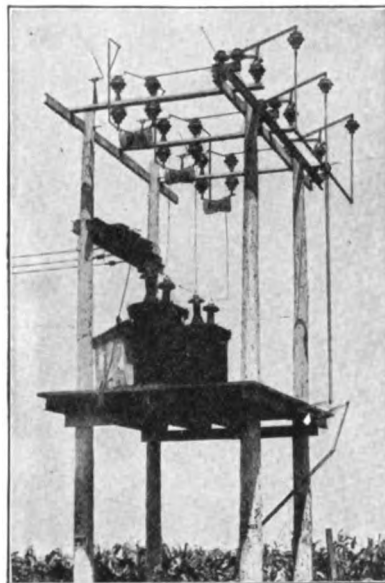
Cap. Fuses Amps.	MRC Form-1		MRC Form-2		MRC Form-3		MRC Form-4		SRC Form-1	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
1-5	86936	\$150.00	134826	\$150.00	134838	\$210.00	134850	\$200.00	134862	\$240.00
6-10	86938	155.00	134827	155.00	134839	215.00	134851	205.00	134863	245.00
11-25	86940	160.00	134828	160.00	134840	220.00	134852	210.00	134864	250.00
26-50	86942	180.00	134829	180.00	134841	240.00	134853	230.00	134865	270.00
51-100	86944	200.00	134830	200.00	134842	260.00	134854	250.00	134866	290.00
101-200	134819	210.00	134831	210.00	134843	270.00	134855	260.00	134867	300.00

COMPLETE OUTDOOR SUB-STATIONS

We can furnish complete outdoor sub-stations with steel towers or wooden poles, transformers and Delta-Star switching and protecting units for any desired K. W. capacity or voltage. Write for complete specifications, drawings, and prices.



Delta-Star Type SD Sub-Station
With SRC Form-1 Units

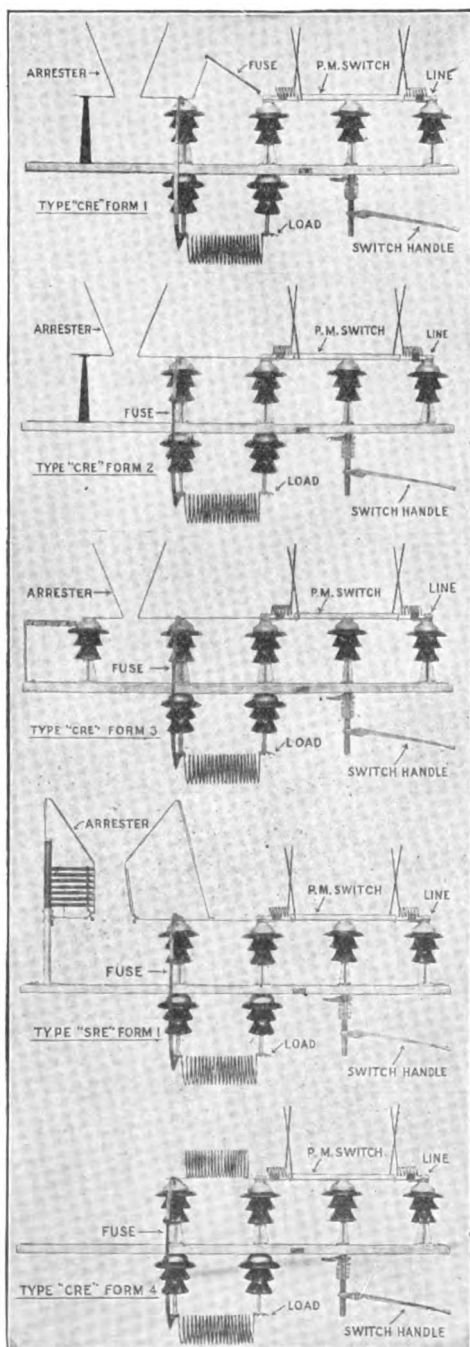


Delta-Star Type D Sub-Station
With MRC Form-1 Units

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DELTA-STAR OUTDOOR SUB-STATION UNITS

The outdoor sub-station units, listed on the following page, are complete with switching, fusing and lightning arrester equipment for controlling and opening loaded circuit. Each unit is equipped with a steel channel base suitable for wooden pole or steel tower sub-stations.



NUMBER OF UNITS

Two units are required for single-phase service, three units for three-phase service.

SWITCHES

The switches are mechanically interlocked, all phases being simultaneously opened and closed with an operating mechanism supplied with the equipment.

FUSES

The carbon-tetrachloride fuses have quick opening characteristics and high rupturing capacity. The prices include fuses of ampere capacities indicated.

DESIGN

The sub-station units are of the same general type, employing the double break per phase PM switch with various forms of lightning arresters.

CRE FORM-1

This unit is equipped with simple horn arresters and limiting fuse.

CRE FORM-2

Same as Form-1 except that fuse is not in series with horn arrester.

CRE FORM-3

Same as Form-2 except that horn arrester has limiting resistance in ground circuit.

SRE FORM-1

Same as CRE Form-3 except high-speed sphere gap arrester is used.

CRE FORM-4

Horn arrester is omitted and has double choke coil protection.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DELTA-STAR OUTDOOR SUB-STATION UNITS

13200-VOLT SINGLE-POLE UNITS WITH FUSES AND P. M. SWITCHES

Cap. Fuses Amps.	CRE Form-1		CRE Form-2		CRE Form-3		CRE Form-4		SRE Form-1	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
1-5	86945	\$136.00	134880	\$136.00	134905	\$186.00	134933	\$176.00	134958	\$216.00
6-10	86950	141.00	134881	141.00	134906	191.00	134934	181.00	134959	221.00
11-25	86955	146.00	134882	146.00	134907	196.00	134935	186.00	134960	226.00
26-50	86960	156.00	134883	156.00	134908	206.00	134936	196.00	134961	236.00
51-100	86965	170.00	134884	170.00	134909	220.00	134937	210.00	134962	250.00
101-200	134917	180.00	134885	180.00	134910	230.00	134938	220.00	134963	260.00

22000-VOLT SINGLE-POLE UNITS WITH FUSES AND P. M. SWITCHES

Cap. Fuses Amps.	CRE Form-1		CRE Form-2		CRE Form-3		CRE Form-4		SRE Form-1	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
1-5	86946	\$165.00	134886	\$165.00	134911	\$225.00	134939	\$215.00	134964	\$255.00
6-10	86951	170.00	134887	170.00	134912	230.00	134940	220.00	134965	260.00
11-25	86956	175.00	134888	175.00	134913	235.00	134941	225.00	134966	265.00
26-50	86961	195.00	134889	195.00	134914	255.00	134942	245.00	134967	285.00
51-100	86966	215.00	134890	215.00	134915	275.00	134943	265.00	134968	305.00
101-200	134918	225.00	134891	225.00	134916	285.00	134944	275.00	134969	315.00

33000-VOLT SINGLE-POLE UNITS WITH FUSES AND P. M. SWITCHES

Cap. Fuses Amps.	CRE Form-1		CRE Form-2		CRE Form-3		CRE Form-4		SRE Form-1	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
1-5	86947	\$190.00	134892	\$190.00	134920	\$260.00	134945	\$250.00	134970	\$300.00
6-10	86952	200.00	134893	200.00	134921	270.00	134946	260.00	134971	310.00
11-25	86957	210.00	134894	210.00	134922	280.00	134947	270.00	134972	320.00
26-50	86962	220.00	134895	220.00	134923	290.00	134948	280.00	134973	330.00
51-100	134919	250.00	134896	250.00	134924	320.00	134949	310.00	134974	360.00

44000-VOLT SINGLE-POLE UNITS WITH FUSES AND P. M. SWITCHES

Cap. Fuses Amps.	CRE Form-1		CRE Form-2		CRE Form-3		CRE Form-4		SRE Form-1	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
1-5	86948	\$245.00	134897	\$245.00	134925	\$325.00	134950	\$315.00	134975	\$365.00
6-10	86953	255.00	134898	255.00	134926	335.00	134951	325.00	134976	375.00
11-25	86958	285.00	134899	285.00	134927	365.00	134952	355.00	134977	405.00
26-50	86963	315.00	134900	315.00	134928	395.00	134953	385.00	134978	435.00

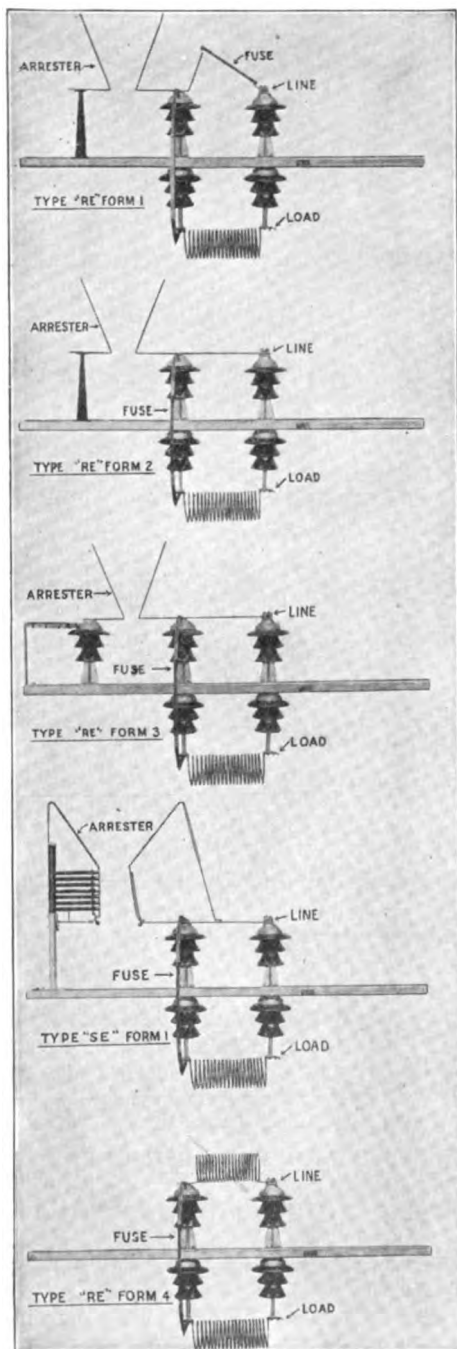
66000-VOLT SINGLE-POLE UNITS WITH FUSES AND P. M. SWITCHES

Cap. Fuses Amps.	CRE Form-1		CRE Form-2		CRE Form-3		CRE Form-4		SRE Form-1	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
1-5	86949	\$320.00	134901	\$320.00	134929	\$410.00	134954	\$400.00	134979	\$460.00
6-10	86954	330.00	134902	330.00	134930	420.00	134955	410.00	134980	470.00
11-25	86959	360.00	134903	360.00	134931	450.00	134956	440.00	134981	500.00
26-50	86964	400.00	134904	400.00	134932	490.00	134957	480.00	134982	540.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DELTA-STAR OUTDOOR SUB-STATION UNITS

The outdoor sub-station units listed on the following page are complete with fusing and lightning arrester equipment, but without switches which can be of the separately mounted type. Each unit is equipped with a steel channel base suitable for wooden pole or steel tower sub-stations.



NUMBER OF UNITS

Two units are required for single-phase service, three units for three-phase service.

FUSES

The carbon tetrachloride fuses have quick opening characteristics and high rupturing capacity. The prices include fuses of ampere capacities indicated.

DESIGN

The sub-station units are of the same general type with various forms of lightning arresters.

RE FORM-1

This unit is equipped with simple horn arresters and limiting fuses.

RE FORM-2

Same as Form-1 except that fuse is not in series with horn arrester.

RE FORM-3

Same as Form-2 except that horn arrester has limiting resistance in ground circuit.

SE FORM-1

Same as RE Form-3 except that high-speed sphere gap arrester is used.

RE FORM-4

Horn arrester is omitted and has double choke coil protection.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DELTA-STAR OUTDOOR SUB-STATION UNITS

13200-VOLT SINGLE-POLE UNITS WITH FUSES WITHOUT SWITCHES

Cap. Fuses Amps.	RE Form-1		RE Form-2		RE Form-3		RE Form-4		SE Form-1	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
1-5	86967	\$76.00	134997	\$76.00	135022	\$126.00	135047	\$116.00	135072	\$156.00
6-10	86972	81.00	134998	81.00	135023	131.00	135048	121.00	135073	161.00
11-25	86977	86.00	134999	86.00	135024	136.00	135049	126.00	135074	176.00
26-50	86982	96.00	135000	96.00	135025	146.00	135050	136.00	135075	186.00
51-100	86987	110.00	135001	110.00	135026	160.00	135051	150.00	135076	190.00
101-200	134994	120.00	135002	120.00	135027	170.00	135052	160.00	135077	200.00

22000-VOLT SINGLE-POLE UNITS WITH FUSES WITHOUT SWITCHES

Cap. Fuses Amps.	RE Form-1		RE Form-2		RE Form-3		RE Form-4		SE Form-1	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
1-5	86968	\$ 90.00	135003	\$ 90.00	135097	\$150.00	135053	\$140.00	135078	\$180.00
6-10	86973	95.00	135004	95.00	135029	155.00	135054	145.00	135079	185.00
11-25	86978	100.00	135005	100.00	135030	160.00	135055	150.00	135080	190.00
26-50	86983	120.00	135006	120.00	135031	180.00	135056	170.00	135081	210.00
51-100	86988	140.00	135007	140.00	135032	200.00	135057	190.00	135082	230.00
101-200	134995	150.00	135008	150.00	135033	210.00	135058	200.00	135083	240.00

33000-VOLT SINGLE-POLE UNITS WITH FUSES WITHOUT SWITCHES

Cap. Fuses Amps.	RE Form-1		RE Form-2		RE Form-3		RE Form-4		SE Form-1	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
1-5	86969	\$110.00	135009	\$110.00	135034	\$180.00	135059	\$170.00	135084	\$220.00
6-10	86974	120.00	135010	120.00	135035	190.00	135060	180.00	135085	230.00
11-25	86979	130.00	135011	130.00	135036	200.00	135061	190.00	135086	240.00
26-50	86984	140.00	135012	140.00	135037	210.00	135062	200.00	135087	250.00
51-100	134996	170.00	135013	170.00	135038	240.00	135063	230.00	135088	280.00

44000-VOLT SINGLE-POLE UNITS WITH FUSES WITHOUT SWITCHES

Cap. Fuses Amps.	RE Form-1		RE Form-2		RE Form-3		RE Form-4		SE Form-1	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
1-5	86970	\$120.00	135014	\$120.00	135039	\$200.00	135064	\$190.00	135089	\$240.00
6-10	86975	130.00	135015	130.00	135040	210.00	135065	200.00	135090	250.00
11-25	86980	160.00	135016	160.00	135041	240.00	135066	230.00	135091	280.00
26-50	86985	190.00	135017	190.00	135042	270.00	135067	260.00	135092	310.00

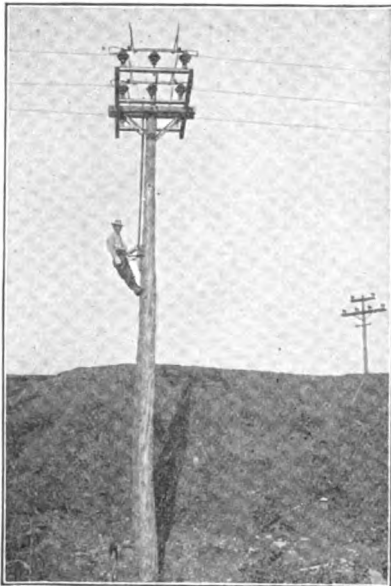
66000-VOLT SINGLE-POLE UNITS WITH FUSES WITHOUT SWITCHES

Cap. Fuses Amps.	RE Form-1		RE Form-2		RE Form-3		RE Form-4		SE Form-1	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
1-5	86971	\$160.00	135018	\$160.00	135043	\$250.00	135068	\$240.00	135093	\$300.00
6-10	86976	170.00	135019	170.00	135044	260.00	135069	250.00	135094	310.00
11-25	86981	200.00	135020	200.00	135045	290.00	135070	280.00	135095	340.00
26-50	86986	240.00	135021	240.00	135046	330.00	135071	320.00	135096	380.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DELTA-STAR POLE TOP SWITCHES

FOR OPENING LOADED CIRCUITS



Type PM Switch
33000-Volt Installation

TYPE PM POLE TOP AIR BREAK SWITCHES

Type PM switches are of the double break type, have non-freezing underwipe contacts and can be used on main lines or to control outdoor substations.

Two-Pole, Single-Phase

Trade No.	Mfrs. No.	Volts	Price Each
86781	10780	13200	\$120.00
86782	10781	22000	150.00
86783	10782	33000	160.00
86784	10783	44000	250.00
86785	10784	66000	325.00

Three-Pole, Three-Phase

86786	10785	13200	175.00
86787	10786	22000	220.00
86788	10787	33000	230.00
86789	10788	44000	350.00
86790	10789	66000	450.00

TYPE MB POLE TOP AIR BREAK SWITCHES

Type MB switches are of the vertically operating single break type. They can be used on main lines, as sectionalizing switches or to control outdoor substations.

Two-Pole, Single-Phase

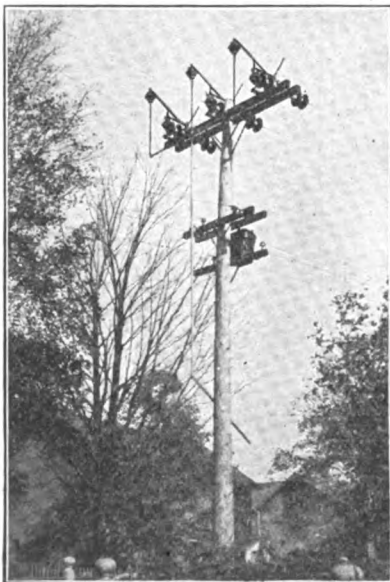
Trade No.	Mfrs. No.	Volts	Price Each
86791	10004	6600	\$75.00
86792	10005	13200	85.00
86793	10006	22000	120.00

Three-Pole, Three-Phase

86794	10008	6600	110.00
86795	10009	13200	120.00
86796	10010	22000	175.00

Both types will open loaded circuits.

Bulletins furnishing complete description will be furnished on request.



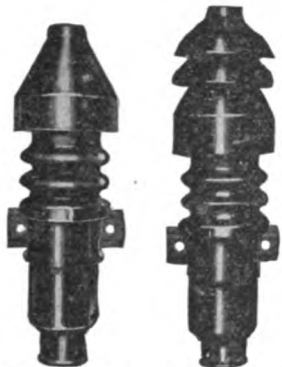
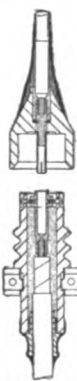
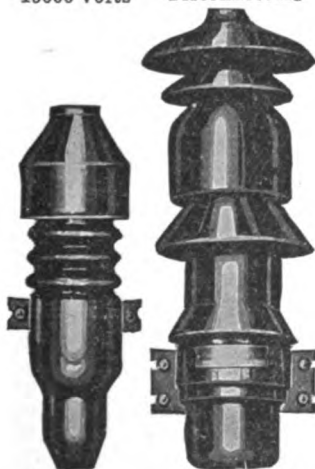
Type MB Switch
22000-Volt Installation

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

G & W PORCELAIN POTHEADS

TYPES S AND O, FOR SINGLE-CONDUCTOR CABLES

For Connecting High Voltage Overhead or Underground Lines

Type S or O
Plain TopType S or O
Nos. 12, 15 or 32
With 4-inch
Double PetticoatType S or O with
Stuffing Box
15000 VoltsCross Section
of Type S
DisconnectingType O
6600 Volts
1200 AmperesType S or O
30000 Volts

The Type S detachable porcelain pothead consists of a lower porcelain tube approximately 8 inches long and a porcelain cap. The porcelain cap acts as a watershed and insulator and covers the upper end of the tube. Inside the tube is a copper connector attached to the end of the cable, into the upper end of which a spring plug is fitted. This spring connection is carried by a porcelain cap into which the overhead line wire is connected.

For potentials above 6600 volts for single-conductor cable exposed to the weather, a pothead with a 4-inch petticoat is recommended. For 10000 to 15000 volts a double petticoat cap and tube are recommended.

When the disconnecting feature is not required and a cheaper pothead is desired, the G & W Pothead is supplied with metal splicing sleeve. The cap and tube are equipped with holes large enough to allow them to be slipped over the weatherproof or rubber covered wire and the lead cable respectively.

TYPE S, DISCONNECTING

For Inside or Outside Work

Trade No.	Mfrs. No.	CAPACITY		Style	Price Each
		Volts	Amps.	Cap	
067906	10	6600	100	Plain.....	\$5.80
067907	11	10000	100	6-inch petticoat.....	6.80
067908	12	10000	100	4-inch double petticoat....	7.00
067909	13	6600	175	Plain.....	9.90
067910	14	10000	175	6-inch petticoat.....	10.90
067911	15	10000	175	4-inch double petticoat....	11.10
067912	16	15000	100	4-inch petticoat cap and tube	9.40
067913	17	15000	175	4-inch petticoat cap and tube	12.40
76101	120	30000	175	6-inch petticoat and tube...	16.00

TYPE O, NOT DISCONNECTING

For Inside or Outside Work, Amperes Unlimited

067914	30	6600	...	Plain.....	4.40
067916	32	10000	...	Double petticoat.....	5.60
067917	33	15000	...	Double petticoat and tube..	7.60
76102	34	6600	...	1000000 C. M. size.....	6.40
76103	121	30000	...	6-inch petticoat and tube...	12.00

All of the above are provided with supporting brackets. Wiping sleeve can be furnished for \$3.00 each in addition to above prices, if desired. Stuffing box cable entrance, \$3.00 additional to list.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

G & W PORCELAIN POTHEADS

TYPE MS, DISCONNECTING

The multiple-conductor detachable pothead is made up by mounting the required number of Type S single-conductor potheads in a cast iron lid completely sealed in. No boxing in from the weather is necessary.

The iron lid is so formed as to fit over the top of an iron pot or hopper approximately 10 inches high. It is drawn down upon a rubber gasket inside the lid by machine bolts. The cable entrance for this pothead may be either plain plug, wiping sleeve, or combination stuffing box and clamping ring form, as desired.

For Sizes up to 00, Multiple-Conductor

Trade No.	Mfrs. No.	Voltage	No. of up to Conds.	Style Cap	Price Each
067918	40	6600	2	Plain	\$21.00
067919	41	10000	2	Dbl. petticoat.....	23.40
067920	42	6600	3	Plain	24.00
067921	43	10000	3	Dbl. petticoat.....	27.60
067922	44	6600	4	Plain	27.00
067923	45	10000	4	Dbl. petticoat.....	32.00
067924	46	10000	6	Dbl. petticoat.....	44.00
067925	47	10000	8	Dbl. petticoat.....	56.00
067926	48	10000	10	Dbl. petticoat.....	68.00
067927	49	10000	12	Dbl. petticoat.....	78.00
067928	492	15000	2	Petticoat cap and tube	27.00
067929	493	15000	3	Petticoat cap and tube	32.00
067930	494	15000	4	Petticoat cap and tube	36.00
76076	130	30000	2	Petticoat cap and tube	39.00
76077	131	30000	3	Petticoat cap and tube	56.00
76078	132	30000	4	Petticoat cap and tube	74.00

TYPE MO, NOT DISCONNECTING

Type MO consists of Type O tubes assembled in cast iron fittings over cast iron base. Its construction is the same as Type MS, with the exception that it has no metal disconnectors inside the tubes. No boxing in from the weather is necessary. Amount of compound necessary to fill pothead, three-conductor type, is approximately $1\frac{1}{4}$ gallons, depending on the size of the cable. Two and four conductors in proportion.

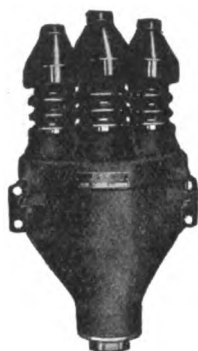
Any form of pothead wanted can be supplied for six, eight, ten or any number of conductor cables. Potheads with conductor outlets in straight line instead of circular arrangement. We recommend the circular arrangement because of its adaptability in leading the conductor from the pothead in proper phase arrangement without making crosses, as all the conductors in this arrangement are not in the same plane.

These forms not shown or listed, will be supplied without any additional cost.

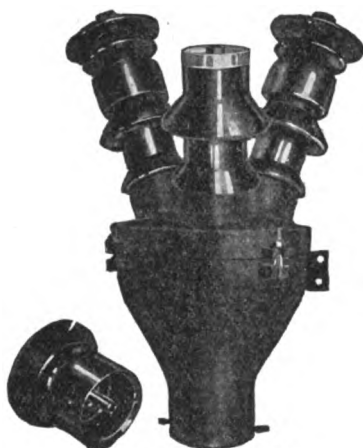
For Sizes up to 600000 C. M., Multiple-Conductor

067931	60	6600	2	Plain	19.00
067932	61	10000	2	Dbl. petticoat.....	21.40
067933	62	6600	3	Plain	22.00
067934	63	10000	3	Dbl. petticoat.....	25.00
067935	64	6600	4	Plain	25.00
067936	65	10000	4	Dbl. petticoat.....	29.00
067937	66	10000	6	Dbl. petticoat.....	35.00
067938	67	10000	8	Dbl. petticoat.....	44.00
067939	68	10000	10	Dbl. petticoat.....	54.00
067940	69	10000	12	Dbl. petticoat.....	64.00
067941	692	15000	2	Dbl. petticoat and tube	25.00
067942	693	15000	3	Dbl. petticoat and tube	28.00
067943	694	15000	4	Dbl. petticoat and tube	31.00
76079	140	30000	2	Petticoat cap and tube	31.00
76080	141	30000	3	Petticoat cap and tube	44.00
76081	142	30000	4	Petticoat cap and tube	58.00

Specify outside diameter of cable when ordering.



Type MS or MO, Nos. 42 or 62
Three-Conductor, Plain Cap



Type MS or MO
30000 Volts

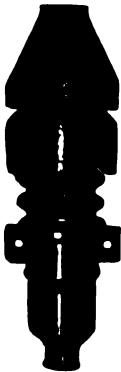


Type MS or MO, Nos. 493 or 693
Three-Conductor
Double Petticoat Cap
and Tubes

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

G & W PORCELAIN POTHEADS

DISCONNECTING, FOR HEAVY CURRENT DUTY

Type TS, No. 20
Plain CapType TS, No. 22
Dbl. Petticoat CapCross Section
Type TS, No. 20
Plain CapType TS, No. 23
6600 Volts
1200 AmperesType TS, No. 24
Petticoat Cap
and TubeType MTS, No. 52
Plain CapType MTS, No. 57
Dbl. Petticoat Cap
and Tube

TYPE TS, SINGLE-CONDUCTOR

For currents higher than 150 amperes the TS type has been developed. By referring to the cross section, it will be noted that there are three porcelain members; the intermediate one provides a means of turning a threaded collar which draws the two metal members together through the medium of the plug and the externally threaded socket, thus insuring a tight fitting joint. This type is well adapted for street railway purposes, as it will carry heavy currents, can be mounted on a pole without protection from the weather, and can be disconnected under load. This form of disconnecting device makes a great saving over the ordinary 500-volt switch in box.

For Sizes up to 1000000 C. M.

Trade No.	Mfrs. No.	Voltage up to	Cap. Amps.	Style Cap	Price Each
067944	20	6600	600	Plain	\$13.00
067945	21	10000	600	6-inch petticoat	13.50
067946	22	10000	600	4-inch double petticoat	13.50
067947	23	6600	1200	Plain	20.00
067948	24	15000	600	Double petticoat and tube..	16.00

All of the above are provided with supporting brackets.

Wiping sleeves or stuffing box, if desired, add to list, \$3.00.

TYPE MTS, MULTIPLE-CONDUCTOR

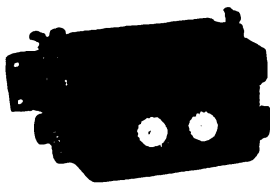
This type of pothead is constructed the same as the Type MS, excepting that it has Type TS single-conductor pothead mounted in the cast iron lid. This type is recommended when the detachable feature is required for loads from 150 to 650 amperes.

For Sizes up to 600000 C. M.

Trade No.	Mfrs. No.	Voltage up to	No. of Conds.	Style Cap	Price Each
067949	50	6600	2	Plain	\$32.00
067950	51	10000	2	Double petticoat	34.00
067951	52	6600	3	Plain	38.00
067952	53	10000	3	Double petticoat	41.00
067953	54	6600	4	Plain	43.00
067954	55	10000	4	Double petticoat	44.00
067955	56	15000	2	Double petticoat and tube..	38.00
067956	57	15000	3	Double petticoat and tube..	44.00
067957	58	15000	4	Double petticoat and tube..	50.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

G & W DISTRIBUTION BOXES



Low Tension Tap Box

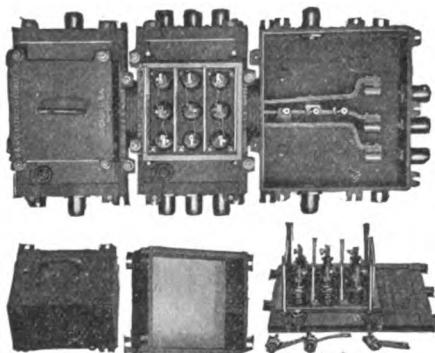
SMALL LOW TENSION TAP BOXES

For 250 Volts, 60 Amperes

The low tension tap box is a split cast iron box, which is intended to clamp over lead cable, in order that taps may be brought out through fuses or terminals carried on slate strips inside the box. The cable is below these posts and can be submerged in compound. This gives adequate protection to the opened cable, and at the same time leaves the tap connection accessible to the workman who may have occasion to put in new fuses, or open the tap circuit at this point. This is a very rugged compact box for tapping or fusing small low tension service taps, for street lighting, signs, etc.

Trade No.	Mfrs. No.	No. of Conds.	Description	Price Each
56169	600	2	For single-condr. cable.	\$14.00
56170	601	3	For single-condr. cable.	15.00
56171	602	2	For multiple-condr. cable	13.00
56172	603	3	For multiple-condr. cable	14.00
56173	604	..	Plain box and lid without fuse block	10.00

Combinations not listed will be quoted on application.



Low Tension Distribution Box for Six Three-Wire Branches

LOW TENSION DISTRIBUTION BOXES

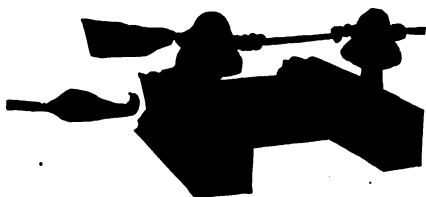
This is a box made up of sectional units so that any number of branch circuits may be taken from one set of mains by adding the proper number of sections. It is made for mounting either horizontally or vertically upon the walls of man-holes, and takes single or multiple-conductor cables in any combination. The cable space is entirely separated from the distribution chamber which contains the fuses, so that when once the box is installed there is no occasion to expose the cable work at any time. Renewing fuses or changing connections is accomplished by simply removing a small lid which covers the distribution chamber on each unit of the box. The portion of the box containing the cables may be entirely filled with compound, as a positive guard against breakdown at the end of any of the cables that are brought into the box.

Prices for any combination of mains and branches furnished upon receipt of specifications.

G & W SAFETY LINE DISCONNECTORS

This is a simple device for disconnecting high tension wires at the cross-arms at crossings when the line breaks.

One device is installed at each end of the span at crossings, the span ends of the wire being connected to the hooks. In case the wire breaks between the two hooks, the natural reaction of the wire will cause the hooks to disengage themselves from the pin in the yoke members and the wire will drop to the ground.



Safety Line Disconnecter

Trade No.	Mfrs. No.	Transmission Type		Price Each
		For Size Wire		
068004	170	8 to 2		\$3.80
068005	171	1 to 0000		7.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

G & W PORCELAIN POTHEADS



Type LO or LS
For Station Use



Type LO or LS
Three-conductor



Form N Outlet
In Form L Pot



Type LO or LS
Two-conductor



Type LO or LS
6600 Volts



Clamping Ring End
Cable not in Conduit

The bowl and lid of Form L potheads are cast iron, and the tubes and cap are porcelain. The bowl is 6 inches in diameter.

The first illustration shows the external appearance of the Type LO or Type LS for station use. In this pothead the tubes are shorter, thus reducing the amount of head-room necessary. Satisfactory when installed inside on circuits as high as 13500 volts.

The second illustration shows the external appearance of three-conductor Form L pothead with double petticoat caps. This is the appearance of the Type LO and Type LS. Type LO does not contain any internal metal disconnect, the conductor runs straight through the central hole in the cap.

The fourth illustration shows the application of a conduit connection. The clamping ring form is used. Where the cable is not installed in conduit, wiping sleeves are substituted for this when desired. This also shows the external appearance of two-conductor Type LO or Type LS for outside use, which require no boxing in from the weather on circuits as high as 6600 volts.

TYPE LO, NOT DISCONNECTING

Plain Cap, 3000 Volts Outside, 6600 Volts Inside
Petticoat Cap, 6600 Volts Outside, 13500 Volts Inside

For Sizes up to 400000 C. M.

Trade No.	Mfrs. No.	No. of Conds.	Style Cap	Price Each
067969	70	2	Plain	\$18.00
067970	71	2	Dbl. petticoat	19.00
067971	72	3	Plain	20.00
067972	73	3	Dbl. petticoat	22.00
067973	74	4	Plain	23.50
067974	75	4	Dbl. petticoat	25.00

TYPE LS, DISCONNECTING

Plain Cap, 3000 Volts Outside, 6600 Volts Inside
Petticoat Cap, 6600 Volts Outside, 13500 Volts Inside

For Sizes up to 00 /

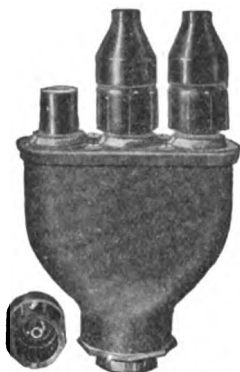
067975	80	2	Plain	19.00
067976	81	2	Dbl. petticoat	21.00
067977	82	3	Plain	22.50
067978	83	3	Dbl. petticoat	24.00
067979	84	4	Plain	25.50
067980	85	4	Dbl. petticoat	27.00

In ordering, give exact outside diameter of cable and state whether pothead is for outside or inside use.

Any of the above types can be furnished for either right-hand or left-hand entrance at \$2.00 extra list.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

G & W PORCELAIN POTHEADS



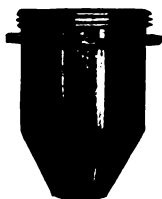
Type LTS Outlets in
Form N Pot, Inside Use



Clamping Ring
End Piece



Plug Form
Cable Entrance



Wiping Sleeve
Form of Cable
Entrance



Combined Stuffing Box
and Clamping Ring Form
of Cable Entrance
Assembled

TYPE LTS, DISCONNECTING

Plain Cap, 3000 Volts Outside, 6600 Volts Inside

Petticoat Cap, 6600 Volts Outside, 13500 Volts Inside

For Sizes 00 to 300000 C. M.

Trade No.	Mfrs. No.	No. of Conds.	Style Cap	Price Each
067981	90	2	Plain	\$26.00
067982	91	2	Double petticoat.....	27.00
067983	92	3	Plain	32.00
067984	93	3	Double petticoat.....	33.50
067985	94	4	Plain	40.00
067986	95	4	Double petticoat.....	42.00

In ordering, give exact outside diameter of cable and state whether pothead is for outside or inside use.

Any of the above types can be furnished for either right-hand or left-hand entrance at \$2.00 extra list.

The bowl and lid of Form L potheads are cast iron and the tubes and cap are porcelain. The bowl is 6 inches in diameter.

The first illustration shows the Type LTS pothead for three-conductor, for inside use, with one cap or line-end removed, the male portion remaining in the cap.

The Form L pothead is furnished when desired in flat form, and is made for two to fourteen conductors.

DESCRIPTION OF CABLE ENTRANCES FOR
G & W POTHEADS

It has been endeavored to design this line of specialties to eliminate all refinements which might add to the cost of the device without an equivalent return in adaptability and usefulness. However, in some instances, refinements may be warranted, therefore three forms of end pieces for cable entrances for multiple conductor potheads are available.

Plug Type of End Piece

The illustrations show the type of cable entrances which have been provided. The simplest form, as may be seen, consists of a plain cast iron plug drilled to fit the cable over lead. This is screwed into the base of the pothead.

Wiping Sleeve Cable Entrance

From the illustrations it is also seen that the wiping sleeve, which screws into the bottom of the pothead, can be provided. This is a plain brass sleeve of approximately the diameter of the cable, which is screwed into the bottom of any pothead upon which it may be desired.

Clamping Ring End Piece

The illustration shows a more elaborate form of cable entrance. It is made of brass and is a combination of an end-clamping ring and stuffing box with a special metallic packing. The lower end is the usual form of stuffing box, the compression member of which supports three brass standards, which in turn carry a ring. This ring has three tapped holes for a like number of screws. Above this ring is another slightly smaller ring. This upper ring has three holes through which the screws pass. By bellowing over the lead and clamping it between the two rings it is supported securely without pressure around the cable sheath, tending to crush it. Also, since the ring is held by the three standards, $1\frac{1}{2}$ inches in height, compound can flow all around the cable $1\frac{1}{2}$ inches below the point where the lead is removed. This gives a most efficient seal.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

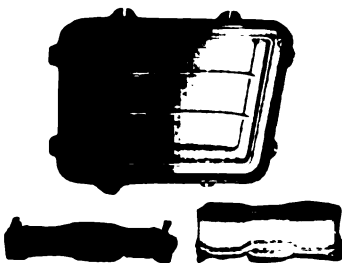
G & W SUBWAY BOXES

UNDERGROUND SWITCHING BOXES, 6600 VOLTS

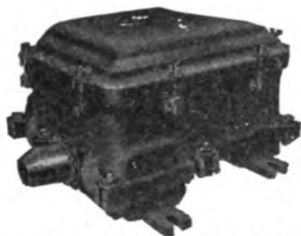


Twelve-Tube Switching Box
Three Caps Removed

This box is used extensively in manholes where it is desired to maintain centers for underground feeders, or for interconnecting circuits so as not to interrupt the service on the mains in case of breakdowns. The first illustration shows that the two caps from the main and feeder are interconnected. This is the normal position. The other row of tubes are covered with caps with the top hole closed. In case of trouble upon the feeder of the circuit the blank caps can be interchanged, thereby switching the mains over to the emergency feed.



Three-Conductor Junction Box
Interior View



Three-Conductor Junction Box
Exterior View



Single-Conductor Junction Box
Exterior View

Trade No.	Mfrs. No.	Cap. Amps.	Number of Tubes	Price Each
067987	300	125	12	\$60.00
76001	305	125	9	56.00
067988	301	125	8	52.00
067989	302	125	6	40.00
067990	303	125	4	28.00
067991	304	125	2	24.00
76002	310	300	12	150.00
76003	311	300	9	120.00
76004	312	300	8	112.00
76005	313	300	6	90.00
76006	314	300	4	60.00
76007	315	300	2	32.00

COMBINATION SUBWAY JUNCTION
BOXES AND POTHEADS

Fusible up to 30 Amperes at 2300 Volts. Over 30 Amperes
Equipped with Knife Blades

Appreciating the fact that where it is necessary to open a lead covered cable, the open ends should be sealed against moisture, and that any device into which cable is to enter should be provided with means for sealing the ends, we have developed a subway junction box which not only is provided with facilities for carrying an enclosed fuse or a switch blade, but also with means for sealing in the cables entering the box.

This junction box has an entirely new form of lid, which will prevent any leakage of water into the box in case it becomes submerged. This is accomplished by constructing the lid so that it laps over the sides of the box in such a manner as to form an inverted bell; thus, the air being caught under the lid as the water rises over the box, cannot escape, and prevents the water from entering the box. Means are also provided by the lugs and bolts for drawing the lid down tightly on the box.

Trade No.	Mfrs. No.	No. of Conds.	Style of Tap	Price Each
067992	1031	1	Straight	\$24.00
067993	1032	2	Straight	60.00
067994	1033	3	Straight	88.00
067995	1034	4	Straight	96.00
067996	1038	2	Half	66.00
067997	1039	3	Half	94.00
067998	1040	4	Half	102.00

Give outside diameter of cable when ordering and state whether it is to be used with fuses or with switch blades. When equipped with switch blades, above boxes are \$2.00 extra per blade for 100-ampere size.

The boxes are made for two, three and four-conductor cables, for straight tap and half tap work. Knife blades are furnished for 100 or 200-ampere service; the 200-ampere blades are \$5.00 extra per blade.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

G & W SERIES SWITCHES



For Duplex Lead Cable

For Single-Conductor
Lead CableWith Wiping Sleeve
Entrance

For Cross-Arm Use

COMBINATION POTHEADS AND SWITCHES FOR
LEAD CABLES

The G & W Series Switch mechanism consists of a pair of heavy copper strips for a male member and a pair of heavy two-leaf phosphor-bronze springs for a female member. Short-circuiting of the female springs as the plug is withdrawn, is from a combined cantilever and full elliptical spring action. A double break is provided on the female springs, so that the main springs are completely short-circuited before the male contacts have passed the second break.

The disconnection of the device is absolute; the male plug or cap pulls entirely away from the main body of the device, so that there is no chance for confusion as to the position of the connections. All live parts are carried inside of porcelain.

Switches for use on lead covered cables are a switch and pothead combined. A pothead space is carried in the main body of the switch, so that the ends of the lead cables can be properly protected by sealing them with compound. These combination potheads and switches can be furnished with metal stuffing boxes or wiping sleeves for the lead cable, where desired.

For Cross-Arm Use
with Plug Removed

For Top of Iron Poles

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Series Switches for Lead Cables			
Trade No.	Mfrs. No.	Description	Price Each
108194	150	Combination switch and pothead for duplex lead cable.....	\$9.00
108195	151	Combination switch and pothead for single-conductor lead cable.....	9.00
108196	150 A	Duplex type fitted with film cut-out.....	10.00
108197	151 A	Single-conductor type fitted with film cut-out.....	10.00
108198	150 C	Metal cable entrance for any of the above.	6.00
Series Switches for Aerial Circuits			
108199	156	For cross-arm use.....	9.00
108200	156 A	Same as above, with film cut-out.....	10.00
Pole Top Series Switches			
108201	192	For top of iron poles.....	14.00
108202	193	Above with double film cut-out.....	16.00

G & W POTHEADS

FORM N POTHEADS

For Inside Use on Any Voltage up to 15000

The G & W line of potheads for inside work is complete. The Form N line of metal potheads contains all the various shapes often necessary for neat training of the outgoing cables. The porcelain station type pothead is low priced but thoroughly efficient in this work.

The Form N pothead is designed for inside use. It consists of corrugated porcelain tubes, mounted in a metal lid, held upon a metal pot by means of four screws. The lid has an overlap and a rubber gasket between it and the pot, so that it is possible to fill the potheads with compound completely to the top of the tubes which contain the separated conductors. These potheads are made in various shapes for any number of conductors. Some of the more common shapes of castings are illustrated. The line includes flat, projecting elbow, abutting, and half-tap shapes. The cable entrance can be a plain plug, a combination stuffing box and clamping ring, or a wiping sleeve, as desired.



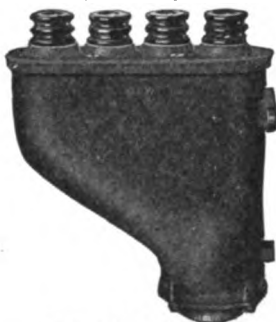
Form N



Abutting Form N



Form N Elbow



Form N Projecting



Form N Half Tap

For Cables Less than 2 Inches Over Lead

Trade No.	Mfrs. No.	Number of Conductors	Price Each
56166	400	2	\$18.00
56167	401	3	20.00
56168	402	4	22.00

For Cables 2 Inches or More Over Lead

56174	400 A	2	20.00
56175	401 A	3	22.00
56176	402 A	4	24.00

For conduit connection, add \$2.00 to the list.

The above prices apply to any shape with or without brackets, excepting half-tap forms. For half-tap forms, add \$8.00 to the list.

PORCELAIN STATION TYPE

For Inside Use on Any Voltage up to 13500

This type of cable head has been developed to meet the demands for a station bell that is easy to install, low in first cost and reliable.

This head consists of a porcelain bowl and cover. This bowl is approximately 7 inches in diameter at the top and 4 inches at the bottom. The bottom of the bowl is fitted with a metal plate provided with a collar drilled to size to clamp upon the cable. The lid fits into the top of the bowl and is provided with the required number of holes and short tubes through which pass the conductors.

The porcelain lid keeps the spacing of the conductors the same at all times, keeps dust and dirt from inside of bell, and if sealed keeps out all moisture and gives finish to the installation.

Not Disconnecting, Multiple-Conductor

067958	500	2	11.00
067959	501	3	11.00
067960	502	4	11.00

In ordering, always specify outside diameter of cables.

Wiping sleeve will be supplied if desired. Clamping rings will be supplied on all orders where not otherwise specified.

For conduit connections, add \$2.00 to list.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

G & W SPECIALTIES



Plain Junction Box
for Any Number of Cables



Straight Splice Box



Tee Splice Box



S & H High Capacity
Fuse Block



Grounding Cap

PLAIN JUNCTION OR SPLICE BOXES

This box is a split cast iron box of two halves which, when clamped together, make a moisture-tight compound retainer. It displaces the wiped joint as a protection for cable splices where a more simply installed protection is desired.

Made for any combination of cables.

Trade No.	Mfrs. No.	Description	Price Each
76401	700	Plain junction box	\$8.00
76412	704	Straight splice box	8.00
76413	712	Tee splice box	8.00

For conduit connection, add 2.00 per connection.

For armored cable, add \$1.50 per cable.

S & H HIGH CAPACITY FUSE BLOCKS

Through the use of an interior compression block, under which a link of special composition is threaded, the S & H Porcelain Pole Type Cut-Out takes care of much heavier currents than can be handled with the ordinary porcelain transformer cut-outs. It is heavily built throughout, with ample contact parts, handhold and shield.

Fitted with horn gap when desired.

Trade No.	Description	Price Each
76402	Block complete	\$18.00
76411	Horn gap	5.00

Link fuses up to 50 amperes, 20 cents.

Link fuses 60 to 150 amperes, 24 cents.

G & W GROUNDING CAPS

This malleable iron cap acts as a driving head for the ground rod or pipe. In the one operation of driving the pipe the ground wire is wedged into very positive close contact with it. The joints are fully efficient electrically and are permanent.

Sawing off battered ends, soldering and other operations are entirely eliminated.

Trade No.	Mfrs. No.	Size of Pipe Inches	Diameter of Rod Inches	Price Each
76403	180	$\frac{1}{2}$	$\frac{3}{4}$	\$0.54
76404	181	$\frac{3}{4}$	1	.68
76405	182	1	$1\frac{1}{4}$	.78
76406	183	$1\frac{1}{4}$	$1\frac{1}{2}$	.90

G & W GROUNDING POINTS

Trade No.	Mfrs. No.	Size of Pipe Inches	For Pipe only	Price Each
76407	185	$\frac{1}{2}$	{ For Pipe only }	.22
76408	186	$\frac{3}{4}$		.28
76409	187	1		.36
76410	188	$1\frac{1}{4}$		.46

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MINNEAPOLIS HEAT REGULATORS

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 35



No. 47

Regulator

This regulator consists of a thermostat, a motor, and two cells of open circuit battery.

Thermostat

The thermostat controls the operation of the whole mechanism of the regulator. Made with and without a time attachment.

The thermostat is protected by an ornamental screen, having upon its face an accurate thermometer, and is finished in bronze. It should be located in the living room at an average temperature point. All other parts of the device are located in the basement.

Time Attachment for Thermostat

This attachment consists of a clock mounted in connection with the thermostat and of similar finish.

This arrangement will change point of temperature control at any predetermined hour; for instance, it will hold the temperature at night at 60° and will automatically raise the temperature to 70° at the rising hour. It is not necessary to use the time attachment except when desired.



No. 55



No. 60

Model No. 35 is furnished with a clock time attachment. The thermometer is small and inconspicuous and is an ornament to any room. Model No. 35 is furnished only in one design, as shown above; namely, the time attachment with one-day clock. Operated with gravity motor only.

Model No. 47 with one-day clock. The clock is hinged in front and swings in a complete circle for winding. It is easily removed. All arbors wind with one key. The thermometer is small and inconspicuous. Operated with spring motor, direct current motor or alternating current motor.

Model No. 55 duplex eight-day thermostat. Will automatically lower the temperature at night to any desired point, and at any predetermined hour in the morning raise the temperature to any desired point. With this model the device is entirely automatic. The only thing necessary is to wind the clock once a week. Equipped with a handsome eight-day clock. Operated with spring A. C. or D. C. motor.

Model No. 60 with eight-day clock of very high-grade, both clock and alarm of same running eight days with one winding. The clock has a solid brass case, repeater alarm, jeweled balance, and beveled glass front. The clock swings in a complete circle and does not have to be removed for winding. Operated by spring motor, direct current motor or alternating current motor.



No. 65

Model No. 65 is the same in electrical construction as the other models. Especially adapted for the control of valves, dampers, etc., for the regulation of hot water tanks, steam, bake ovens, etc. Operated with spring motor, direct current or alternating current motor.

Further information and prices on following page.

MINNEAPOLIS HEAT REGULATORS



Gravity Motor



Spring Motor



Direct Current Motor

Gravity Motor

Furnished only with No. 35 regulator. Designed to be fastened to the ceiling of the basement. Is enclosed in a pressed steel case, finished in black enamel, baked.

The power is furnished by an iron weight, which is of ample size to lift all dampers on the modern types of furnaces, and no special expensive dampers are necessary.

All motors, when run down, automatically leave the drafts closed.

Spring Motor

The motor is encased in a solid pressed steel cover, No. 22 gauge, finished in black enamel, baked.

There is an index finger with scale which travels as the motor is wound and unwound, a glance at the motor showing at all times the condition in reference to winding.

The cover is dustproof, cotton sleeving being used at the shaft.

The motor is also provided with basement switch by means of which the motor can be operated in the basement at will.

Easily wound by means of a crank key.

Furnished with Nos. 47, 55, 60 and 65 only.

Batteries

Two cells of open circuit battery are used, and as no work is required of the battery except releasing the motor, and it is in service only a second at a time, it will last a number of years.

Direct Current Motor

This motor has ample power and is capable of handling the heaviest work that a heat regulator can be put to. Power is furnished by four dry cells which have ample power to operate the device for a full heating season. A new set of dry cells should be installed each fall. Aside from replenishing the batteries and oiling once a year it requires no attention. All shafts run in finely adjusted brass bushings and motor is as finely adjusted as a high-priced clock. Motor is encased in a dustproof, 22-gauge steel cover, handsomely finished in black enamel. Furnished with basement switch by which it may be operated at will in the basement. Furnished with Nos. 47, 55, 60 and 65 regulators only.

Alternating Current Motor

Designed to operate directly from the house lighting circuit. Screw plug into any lamp socket and turn on power. Operates with 110-volt, 60-cycle alternating current, but a small transformer is mounted on bottom of the case and this cuts down the voltage of the current which operates the thermostat and magnet coils. This makes the installation very simple, as the motor and transformer are complete in one unit. Furnished with Nos. 47, 55, 60 and 65 regulators only.

Model No.	Time Attachment	With Gravity Motor		With Spring Motor		With D. C. Motor		With A. C. Motor	
		Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
35	One-day clock	102792	\$35.00	.....	.....	.....	.....	.....	.....
47	One-day clock	.....	.....	019433	\$47.00	122076	\$57.00	122080	\$67.00
55	Duplex clock	.....	.....	122075	55.00	122077	65.00	122081	75.00
60	Eight-day clock	.....	.....	019434	60.00	122078	70.00	122082	80.00
65	Hot water regulator	.....	.....	019435	65.00	122079	75.00	122083	85.00
Thermometer only.....								019436	1.30

Description of above regulators on preceding page.

Prices include wire, batteries, and all hardware, complete, ready to install.

Directions for installing with each regulator.

Shipping weight, approximately 30 pounds each.

NOTE.—Regulators can be readily applied to any style heater, the cost of application depending upon the size and style of heating apparatus. Special dampers will be furnished if desired.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H MOTOR STARTERS

DIRECT CURRENT



Standard



Universal

STANDARD DUTY MOTOR STARTERS

With No-voltage Release

These starters are intended for use in starting direct current motors under normal full load conditions. The no-voltage release spool is usually connected in series with the shunt field of the motor, thus providing protection to the motor should the field circuit be opened while the motor is running.

H. P.	Trade No.	115 Volts		Trade No.	230 Volts		Trade No.	500 Volts	
		Wt., Lbs. Boxed	Price Each		Wt., Lbs. Boxed	Price Each		Wt., Lbs. Boxed	Price Each
$\frac{1}{4}$	118368	10	\$5.10	118382	10	\$5.10	118398	10	\$5.50
$\frac{1}{2}$	118369	10	5.10	118383	10	5.10	118399	10	5.60
1	118370	20	6.30	118384	20	6.60	118400	20	7.00
2	118371	20	6.60	118385	20	6.60	118401	20	7.00
3	118372	20	7.20	118386	20	7.30	118402	20	7.10
4	118373	50	12.20	118387	20	7.30	118403	20	7.50
5	118374	50	12.20	118388	20	7.30	118404	20	7.50
$7\frac{1}{2}$	118375	50	13.20	118389	50	13.20	118405	50	13.30
10	118376	60	24.80	118390	50	15.50	118406	50	15.50
15	118377	60	26.00	118391	50	16.80	118407	50	16.50
20	118378	60	29.10	118392	60	29.00	118408	60	21.80
25	118379	110	47.30	118393	90	33.00	118409	90	36.00
30	118380	110	47.30	118394	90	33.00	118410	90	36.00
35	118381	110	47.30	118395	90	39.00	118411	90	36.20
40	.....	.....	.....	118396	110	41.10	118412	90	36.20
50	.....	.....	.....	118397	110	46.80	118413	110	45.10

UNIVERSAL MOTOR STARTERS

With No-voltage and Overload Release, Knife Switch and Fuses

These starters combine in one compact piece of apparatus everything essential for a complete starting equipment. All studs on the back of the slate panel are countersunk and sealed, making it possible to mount the panel directly on the wall or other support.

$\frac{1}{4}$	118414	40	22.00	118427	40	22.00	118442	60	22.00
$\frac{1}{2}$	118415	40	22.00	118428	40	22.00	118443	60	22.00
1	118416	40	22.00	118429	40	22.00	118444	60	25.00
2	118417	40	22.00	118430	40	22.00	118445	60	25.00
3	118418	50	25.00	118431	50	22.00	118446	60	25.00
5	118419	90	36.00	118432	50	27.00	118447	60	27.00
$7\frac{1}{2}$	118420	90	39.00	118433	90	36.00	118448	90	36.00
10	118421	125	58.00	118434	125	40.00	118449	125	40.00
15	118422	125	67.00	118435	125	45.00	118450	125	42.00
20	118423	175	80.00	118436	175	65.00	118451	175	47.00
25	118424	250	114.00	118437	200	76.00	118452	200	72.00
30	118425	250	114.00	118438	200	80.00	118453	200	72.00
35	118426	250	114.00	118439	225	82.00	118454	200	72.00
40	.....	.....	.....	118440	250	102.00	118455	200	80.00
50	.....	.....	.....	118441	250	114.00	118456	250	95.00

Rheostats above $7\frac{1}{2}$ H. P., 115 volts; 15 H. P., 230 volts, and 20 H. P., 500 volts, are equipped with renewable segment contacts. Smaller sizes have button contacts but, if desired, renewable segments will be furnished at an additional cost.

Write for Bulletins Nos. 2110 and 2150.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H RHEOSTATS AND REGULATORS

LOAD RHEOSTATS
DIRECT OR ALTERNATING CURRENT
Portable Type—For Meter Testing, Etc.

Bench Type

These rheostats are especially designed for providing an artificial load for checking individual meters with a standard meter. They consist essentially of a number of steps of resistance, any one or all of which may be connected across the line by closing compact knife switches located on the side of the frame. The resistance consists of a number of flat cement-covered units especially designed for minimum weight and to be operated at high temperatures. These are mounted in a light, compact frame provided with feet for supporting it in a horizontal position.

These rheostats are intended to be connected directly across the line. The current must not be applied unless the rheostat is supported upon its feet in a horizontal position, permitting a free flow of air up through the units. In this position the current may be left on any number of switches indefinitely.

Bench Type

Trade No.	Mfrs. No.	Volts	AMPERES		Amp. Increments	No. of Switches	DIMENSIONS, INCHES					Net Wt. Lbs.	Price Each
			Min.	Max.			FOLDED	OPEN	Top	Area	Height		
118655	1800	115	.50	10	.50	4	9	5	10	9x9	8	8	\$27.00
118656	1801	115	.25	20	.25	6	12	5	15	11x12	10	13	33.00
118657	1802	230	.25	10	.50	4	12	5	15	11x12	10	13	33.00
		600	.50	4	.50								
Floor Type													
118658	1803	115	.25	50	.25	8	14	5	20	14x17	20	27	50.00
		230	.25	25	.50	6	14	5	20	14x17	20	27	51.00
118659	1804	600	.50	10	.50	6	14	5	20	14x17	20	27	51.00

Write for Bulletin No. 11205.

CIRCULAR PLATE SPEED REGULATORS

For Motors not Exceeding 1/2 Horse Power

These regulators have been developed primarily for use as a means of varying the speed of small motors such as are now employed for operating small blowers, fans, buffers, adding and copying machines, jewelers' and dentists' lathes and drills, sewing machines, washing machines, etc.

They operate by means of a simple sliding lever. If the first contact is an "off" point, the motor will be started on the second. Without an "off" point there are seven running positions in the 6-inch size and ten on the 9-inch size. The resistance is moisture-proof and dust-proof, the resistor wire being



wound on a flat porcelain core and imbedded in a special cement.

These devices are used also as field regulators, dimmers for lighting circuits, heating coil regulators, in connection with plating baths, etc.

The limitations in standard design are as follows: Maximum watt capacity, 125; maximum resistance per step, 150 ohms; maximum amperes, 10; maximum voltage of circuit, 250; net weight, 2 1/2 pounds; height of casting, 1 1/2 inches.

The limitations in standard design are as follows:

Size	6-inch	9-inch
Maximum watt capacity	125	225
Maximum resistance per step, ohms	150	250
Maximum amperes	10	10
Maximum voltage of circuit	250	250

MACHINE TYPE		FAN TYPE		Size Inches	Horse Power	Shipping Wt., Lbs.	Price Each
TRADE NOS.	TRADE NOS.	TRADE NOS.	TRADE NOS.				
115 Volts	230 Volts	115 Volts	230 Volts				
068443	068450	068457	068464	6	1/2	3	\$2.65
068442	068449	068456	068463	6	1/2	3	2.65
068441	068448	068455	068462	6	1/2	3	2.65
068440	068447	068454	068461	6	1/2	3	2.65
068439	068446	068453	068460	6	1/2	3	2.65
068438	068445	068452	068459	6	1/2	3	2.65
068437	068444	068451	068458	6	1/2	3	2.65
118643	118646	118649	118652	9	1/2	6	4.90
118644	118647	118650	118653	9	1/2	6	4.90
118645	118648	118651	118654	9	1/2	6	4.90

NOTE.— Always specify whether or not an "off" point is desired.

Write for Bulletin No. 3290.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

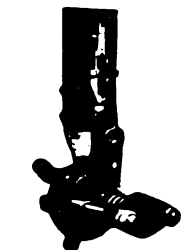
C-H REGULATORS

DIAPHRAGM TYPE PRESSURE REGULATORS

For Pressure above Atmospheric only

Designed primarily to act as a pilot switch in connection with a motor self-starter. They may also be used as a single-pole switch for throwing across the line a small direct or single-phase alternating current motor of a capacity not greater than $\frac{1}{4}$ horse power, 110 volts, or $\frac{1}{2}$ horse power, 220-550 volts.

These regulators open the switch at high pressure and close it at low. For complete information, write for Bulletins Nos. 10001 and 10003.



Diaphragm Type
Pressure Regulator
Single-pole

Trade No.	Type	Single-pole		Ship. Wt., Lbs.	Price Each
		Pressure Range Lbs. per Sq. In.			
118995	A	1½ to 14		20	\$33.00
118996	B	3 to 60		18	24.00
118997	C	5 to 115		18	24.00
118998	D	5 to 175		18	24.00

Double-pole

These double-pole diaphragm regulators handle motor circuits direct without an additional magnetic switch. They may be used with direct current motors up to 1 horse power, 115, 230 and 500 volts, and alternating current motors, single-phase, 2 horse power, 110 volts; 4 horse power, 220 volts; 5 horse power, 440 and 550 volts; and two and three-phase alternating current motors, 3 horse power, 110 volts; 5 horse power, 220, 440 and 550 volts.

105857	A	10 to 75	30	28.00
105864	B	10 to 95	30	28.00



Diaphragm Type
Pressure Regulator
Double-pole

DIAPHRAGM TYPE VACUUM REGULATORS

Designed to act similar to above regulators. They open the switch at high vacuum and close at low.

For complete information, write for Bulletin No. 10005.

Single-pole

Trade No.	Type	Single-pole		Ship. Wt., Lbs.	Price Each
		Vacuum Range Inches of Mercury			
119001	A	3 to 9		30	\$33.00
119002	B	3 to 18		30	33.00
119003	C	3 to 28		30	33.00



Diaphragm Type
Vacuum Regulator

GAUGE TYPE PRESSURE REGULATORS

For Pressures above or below Atmospheric—Handles Solenoid Current only

Designed to handle solenoid currents only and must always be used in connection with a suitable self-starter. The gauges can be furnished with dials reading from 0 to 25, 50, 100, 150 and 250 pounds per square inch above atmospheric pressure, and from 0 to 30 inches of mercury below atmospheric.

The closest practicable setting of the two contact points is 5 per cent of the maximum pressure shown on the dial of the gauge used; i. e., 2.5 pounds for the 50-pound gauge, or 12.5 pounds for the 250-pound gauge. The lowest reliable pressure setting is 5 pounds for the 25-pound gauge, and 10 per cent of the maximum pressure shown on the dial for the other capacities.

For complete information, write for Bulletin No. 10010.

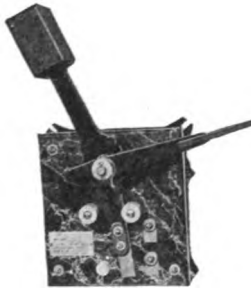


Gauge Type
Pressure
Regulator

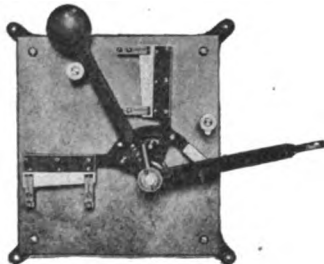
Trade No.	Approx. Ship. Wt., Lbs.	Price Each
118999	11	\$44.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H FLOAT SWITCHES



Single-pole
Float Switch
Open Type



Double-pole
Float Switch
Open Type



Enclosed Float Switch

OPEN TYPE FLOAT SWITCHES

Designed for handling self-starter pilot circuits for the automatic control of direct or alternating current motors operating tank or sump pumps.

SINGLE-POLE—FOR SOLENOID CURRENTS ONLY

Trade No.	Description	Price Each
094972	Open type float switch	\$ 9.00

DOUBLE-POLE—FOR SMALL MOTOR SERVICE

118985	Open type float switch	17.00
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Accessories

094970	Outfit of copper float, iron counterweight, two iron pulleys, 15 feet of copper chain, with four stop buttons	8.00
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For complete information write for Bulletins Nos. 10020 and 10025.

ENCLOSED TYPE FLOAT SWITCHES

These switches are designed for use in connection with a suitable self-starter for automatically controlling direct or alternating current motors operating tank or sump pumps. The switches can be furnished for various mountings as listed below.

- No. 1. For mounting on the inside wall of tank.
- No. 2. For clamping over the edge of tank.
- No. 3. With floor pedestal.
- No. 4. With floor pedestal, arranged for chain operation.
- No. 5. For mounting on the outside of tank, with operating shaft extended to project through the tank wall.

SINGLE-POLE—FOR SOLENOID CURRENTS ONLY

110 to 550 Volts

Trade No.	PRICE, EACH				
	STYLE MOUNTING				
	No. 1	No. 2	No. 3	No. 4	No. 5
105865	\$21.00	\$23.00	\$24.00	\$32.00	\$22.00

Shipping weight, 45 pounds.

Above prices include switch and accessories.

TWO, THREE OR FOUR-POLE—FOR SMALL MOTOR SERVICE

For Single-phase Self-starting Motors, and Polyphase Squirrel Cage Motors which may be Thrown Directly Across the line to Start.

Single-phase; Two-pole; Rated Capacity, 5 H. P., 110, 220, 440 and 550 Volts

105866	24.00	27.00	28.00	36.00	26.00
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Three-phase or Two-phase, Three-wire; Three-pole; Rated Capacity, 5 H. P., 110 Volts; 7½ H. P., 220, 440 and 550 Volts

105867	37.00	39.00	40.00	48.00	38.00
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Two-phase, Four-wire; Four-pole; Rated Capacity, 5 H. P., 110 Volts; 7½ H. P., 220, 440 and 550 Volts

105868	40.00	42.00	43.00	51.00	41.00
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For Direct Current Motors when used with Suitable Self-starter Rated Capacity, up to 7½ H. P., 115 and 230 Volts

118983	24.00	27.00	28.00	36.00	26.00
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Rated Capacity, up to 7½ H. P., 500 Volts*

118984	40.00	42.00	43.00	51.00	41.00
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*Switches for 115 and 230-volt service are two-pole. For 500-volt circuits the four-pole structure is used with the four blades connected two in series, giving a double break in each line.

Above prices cover switch and accessories.

When ordering, state whether sump switch or tank switch is desired, and the style mounting wanted. Also state the horse power of motor and the voltage; type of motor, single-phase or polyphase; shunt, compound or series; if motor is for A. C., whether it is single-phase, three-phase or two-phase three or four-wire; if motor is for D. C., state type of self-starter with which switch is to be used.

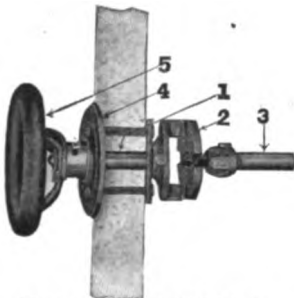
For complete information, write for Bulletins Nos. 10030 and 10035.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H PLATE TYPE FIELD RHEOSTATS



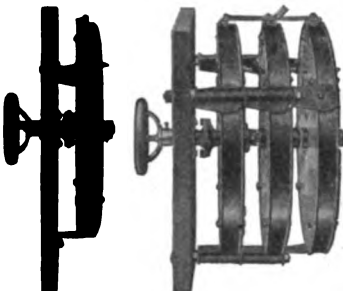
Rheostat



Handwheel and Dial Plate



Composition Handwheel

Single-plate and Three-plate
Combinations Back-of-board Type

These rheostats consist of one or more unit plates, each unit being a complete rheostat with radial lever, contacts and resistance. The resistance wire, reflexed to provide for expansion and to cover the surface adequately, is fastened to the soapstone base and covered with a special cement. The single-plate rheostats are made in four sizes, approximately 6 inches, 9 inches, 12 inches and 15 inches square.

In the larger size rheostats, a number of the 15-inch plates are mounted parallel to each other on supporting rods and are provided with a common operating shaft. They are connected in parallel or in series, depending on the ampere rating and resistance of the rheostat. If the plates are in series, the shaft is insulated between alternate plates.

Rheostats consisting of two or more plates have the levers staggered, giving approximately double the number of steps of a single plate.

The rheostats listed on the following pages are of the convertible type. They are provided with a substantial insulated knob on the front of the rheostat and with a clutch member at the rear, and may therefore be mounted either on the front or back of the switchboard. If the rheostat is to be mounted on the back of the switchboard, it is necessary to purchase a separate handwheel and dial plate.

COPPER HANDWHEEL AND DIAL PLATE

1. Handwheel shaft with clutch member.
2. Insulating fiber coupling.
3. Field rheostat shaft with clutch member.
4. Dial plate with screws and back plate.
5. Handwheel.

Trade No.	Description	Price Each
26883	Copper handwheel and dial plate suitable for one to six plates	\$4.70
26884	Composition handwheel and copper dial plate suitable for one to three plates	2.10

These rheostats may be used with fields of less resistance than that given in the tables under minimum ohms only when the current obtainable on the first step (short-circuited) does not exceed the maximum ampere rating of the rheostat.

For complete information, write for Bulletins Nos. 11110 and 10410.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H PLATE TYPE FIELD RHEOSTATS

24-32 VOLTS

Resistance of Rheostat Equal to Resistance of Field

Trade No.	Mfra. No.	AMPERES		Total Ohms of Rheostat	Minimum Ohms of Field	No. of Steps	Size of Plate, In.	Price Each
		Max.	Min.					
119369	10310	1.25	.64	25	25	19	6	\$3.60
119370	10311	1.6	.8	20	20	19	6	3.60
119371	10312	2	1	16	16	19	6	3.60
119372	10313	2.5	1.25	12.5	12.5	19	6	3.60
119373	10314	3.2	1.6	10	10	19	6	3.60
119374	10315	4	2	8	8	19	6	3.60
119375	10316	5	2.5	6.4	6.4	19	6	3.60
119376	10317	6.4	3.2	5	5	19	6	3.60
119377	10318	8	4	4	4	19	6	3.60
119378	10319	10	5	3.2	3.2	19	6	3.60
Resistance of Rheostat 1.6 Times Resistance of Field								
119379	10320	1.25	.5	40	25	19	6	3.60
119380	10321	1.6	.64	32	20	19	6	3.60
119381	10322	2	.8	25	16	19	6	3.60
119382	10323	2.5	1	20	12.5	19	6	3.60
119383	10324	3.2	1.25	16	10	19	6	3.60
119384	10325	4	1.6	12.5	8	19	6	3.60
119385	10326	5	2	10	6.4	19	6	3.60
119386	10327	6.4	2.5	8	5	19	6	3.60
119387	10328	8	3.2	6.4	4	19	6	3.60
Resistance of Rheostat 2.5 Times Resistance of Field								
119388	10330	1.25	.36	64	25	19	6	3.60
119389	10331	1.6	.45	50	20	19	6	3.60
119390	10332	2	.57	40	16	19	6	3.60
119391	10333	2.5	.71	32	12.5	19	6	3.60
119392	10334	3.2	.92	25	10	19	6	3.60
119393	10335	4	1.2	20	8	19	6	3.60
119394	10336	5	1.4	16	6.4	19	6	3.60
119395	10337	6.4	1.8	12.5	5	19	6	3.60
119396	10338	8	2.3	10	4	26	9	6.10

32-40 VOLTS

Resistance of Rheostat Equal to Resistance of Field

119397	10410	1	.5	40	40	19	6	3.60
119398	10411	1.25	.64	32	32	19	6	3.60
119399	10412	1.6	.8	25	25	19	6	3.60
119400	10413	2	1	20	20	19	6	3.60
119401	10414	2.5	1.25	16	16	19	6	3.60
119402	10415	3.2	1.6	12.5	12.5	19	6	3.60
119403	10416	4	2	10	10	19	6	3.60
119404	10417	5	2.5	8	8	19	6	3.60
119405	10418	6.4	3.2	6.4	6.4	19	6	3.60
119406	10419	8	4	5	5	19	6	3.60
Resistance of Rheostat 1.6 Times Resistance of Field								
119407	10420	1	.4	64	40	19	6	3.60
119408	10421	1.25	.5	50	32	19	6	3.60
119409	10422	1.6	.64	40	25	19	6	3.60
119410	10423	2	.8	32	20	19	6	3.60
119411	10424	2.5	1	25	16	19	6	3.60
119412	10425	3.2	1.25	20	12.5	19	6	3.60
119413	10426	4	1.6	16	10	19	6	3.60
119414	10427	5	2	12.5	8	19	6	3.60
119415	10428	6.4	2.5	10	6.4	19	6	3.60
119416	10429	8	3.2	8	5	26	9	6.10
Resistance of Rheostat 2.5 Times Resistance of Field								
119417	10430	1	.28	100	40	19	6	3.60
119418	10431	1.25	.36	80	32	19	6	3.60
119419	10432	1.6	.45	64	25	19	6	3.60
119420	10433	2	.57	50	20	19	6	3.60
119421	10434	2.5	.71	40	16	19	6	3.60
119422	10435	3.2	.92	32	12.5	19	6	3.60
119423	10436	4	1.2	25	10	19	6	3.60
119424	10437	5	1.4	20	8	19	6	3.60
119425	10438	6.4	1.8	16	6.4	26	9	6.10
119426	10439	8	2.3	12.5	5	26	9	6.10

For complete information, write for Bulletin No. 11110.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H PLATE TYPE FIELD RHEOSTATS

50-64 VOLTS

Resistance of Rheostat Equal to Resistance of Field

Trade No.	Mfgr. No.	Max. AMPERES	Min.	Total Ohms of Rheostat	Minimum Ohms of Field	No. of Steps	Size of Plate, In.	Price Each
119437	10610	1	.5	64	64	19	6	\$3.60
119438	10611	1.25	.64	50	50	19	6	3.60
119439	10612	1.6	.8	40	40	19	6	3.60
119440	10613	2	1	32	32	19	6	3.60
119441	10614	2.5	1.25	25	25	19	6	3.60
119442	10615	3.2	1.6	20	20	19	6	3.60
119443	10616	4	2	16	16	19	6	3.60
119444	10617	5	2.5	12.5	12.5	19	6	3.60
119445	10618	6.4	3.2	10	10	26	9	6.10
119446	10619	8	4	8	8	26	9	6.10

Resistance of Rheostat 1.6 Times Resistance of Field

119447	10620	1	.4	100	64	19	6	3.60
119448	10621	1.25	.5	80	50	19	6	3.60
119449	10622	1.6	.64	64	40	19	6	3.60
119450	10623	2	.8	50	32	19	6	3.60
119451	10624	2.5	1	40	25	19	6	3.60
119452	10625	3.2	1.25	32	20	19	6	3.60
119453	10626	4	1.6	25	16	19	6	3.60
119454	10627	5	2	20	12.5	26	9	6.10
119455	10628	6.4	2.5	16	10	26	9	6.10
119456	10629	8	3.2	12.5	8	26	9	6.10

Resistance of Rheostat 2.5 Times Resistance of Field

119457	10630	1	.28	160	64	19	6	3.60
119458	10631	1.25	.36	125	50	19	6	3.60
119459	10632	1.6	.45	100	40	19	6	3.60
119460	10633	2	.57	80	32	19	6	3.60
119461	10634	2.5	.71	64	25	19	6	3.60
119462	10635	3.2	.92	50	20	19	6	3.60
119463	10636	4	1.2	40	16	26	9	6.10
119464	10637	5	1.4	32	12.5	26	9	6.10
119465	10638	6.4	1.8	25	10	26	9	6.10
119466	10639	8	2.3	20	8	45	12	8.20

64-80 VOLTS

Resistance of Rheostat Equal to Resistance of Field

119467	10810	1	.5	80	80	19	6	3.60
119468	10811	1.25	.64	64	64	19	6	3.60
119469	10812	1.6	.8	50	50	19	6	3.60
119470	10813	2	1	40	40	19	6	3.60
119471	10814	2.5	1.25	32	32	19	6	3.60
119472	10815	3.2	1.6	25	25	19	6	3.60
119473	10816	4	2	20	20	19	6	3.60
119474	10817	5	2.5	16	16	26	9	6.10
119475	10818	6.4	3.2	12.5	12.5	26	9	6.10
119476	10819	8	4.6	10	10	26	9	6.10

Resistance of Rheostat 1.6 Times Resistance of Field

119477	10820	1	.4	125	80	19	6	3.60
119478	10821	1.25	.5	100	64	19	6	3.60
119479	10822	1.6	.64	80	50	19	6	3.60
119480	10823	2	.8	64	40	19	6	3.60
119481	10824	2.5	1	50	32	19	6	3.60
119482	10825	3.2	1.25	40	25	19	6	3.60
119483	10826	4	1.6	32	20	26	9	6.10
119484	10827	5	2	25	16	26	9	6.10
119485	10828	6.4	2.5	20	12.5	26	9	6.10
119486	10829	8	3.2	16	10	45	12	8.20

Resistance of Rheostat 2.5 Times Resistance of Field

119487	10830	1	.28	200	80	26	9	6.10
119488	10831	1.25	.36	160	64	19	6	3.60
119489	10832	1.6	.45	125	50	19	6	3.60
119490	10833	2	.57	100	40	19	6	3.60
119491	10834	2.5	.71	80	32	19	6	3.60
119492	10835	3.2	.92	64	25	26	9	6.10
119493	10836	4	1.2	50	20	26	9	6.10
119494	10837	5	1.4	40	16	26	9	6.10
119495	10838	6.4	1.8	32	12.5	45	12	8.20
119496	10839	8	2.3	25	10	45	12	8.20

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H PLATE TYPE FIELD RHEOSTATS

125-160 VOLTS

Resistance of Rheostat Equal to Resistance of Field

Trade No.	Mfrs. No.	AMPERES		Total Ohms of Rheostat	Minimum Ohms of Field	No. of Steps	Size of Plate, In.	No. of Plates	Price Each
		Max.	Min.						
119497	11020	.8	.4	200	200	19	6	1	\$3.60
119498	11021	1	.5	160	160	19	6	1	3.60
119499	11022	1.25	.64	125	125	19	6	1	3.60
119500	11023	1.6	.8	100	100	19	6	1	3.60
119501	11024	2	1	80	80	19	6	1	3.60
119502	11025	.5	.25	320	320	26	9	1	6.10
119503	11026	.64	.32	250	250	26	9	1	6.10
119504	11027	.8	.4	200	200	26	9	1	6.10
119505	11028	1	.5	160	160	26	9	1	6.10
119506	11029	1.25	.64	125	125	26	9	1	6.10
119507	11030	1.6	.8	100	100	26	9	1	6.10
119508	11031	2	1	80	80	26	9	1	6.10
119509	11032	2.5	1.25	64	64	26	9	1	6.10
119510	11033	3.2	1.6	50	50	26	9	1	6.10
119511	11034	4	2	40	40	26	9	1	6.10
119512	11035	5	2.5	32	32	45	12	1	8.20
119513	11036	6.4	3.2	25	25	45	12	1	8.20
119514	11037	8	4	20	20	45	12	1	8.20
119515	11038	10	5	16	16	65	15	1	10.60
119516	11039	12.5	6.3	12.5	12.5	65	15	1	10.60
119517	11040	16	8	10	10	130	15	2	24.50
119518	11041	20	10	8	8	130	15	2	24.50
119519	11042	25	12.5	6.4	6.4	130	15	3	36.00
119520	11043	30	15	5	5	130	15	3	36.00
119521	11044	40	20	4	4	130	15	4	48.00
119522	11045	50	25	3.2	3.2	130	15	5	60.00
119523	11046	60	30	2.5	2.5	130	15	6	73.00

Resistance of Rheostat 1.6 Times Resistance of Field

119524	11050	2	.78	125	80	26	9	1	6.10
119525	11051	2.5	.98	100	64	26	9	1	6.10
119526	11052	3.2	1.23	80	50	26	9	1	6.10
119527	11053	4	1.54	64	40	45	12	1	8.20
119528	11054	5	1.4	50	32	45	12	1	8.20
119529	11055	6.4	2.4	40	25	45	12	1	8.20
119530	11056	8	3.1	32	20	65	15	1	10.60
119531	11057	10	3.9	25	16	65	15	1	10.60
119532	11058	12.5	4.43	20	12.5	130	15	2	24.50
119533	11059	16	6.15	16	10	130	15	2	24.50
119534	11060	20	7.8	12.5	8	130	15	3	36.00
119535	11061	25	9.8	10	6.4	130	15	3	36.00
119536	11062	32	12.3	8	5	130	15	4	48.00
119537	11063	40	15.4	6.4	4	130	15	5	60.00
119538	11064	50	19.5	5	3.2	130	15	6	73.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

For complete information, write for Bulletin No. 11110.

(Continued on following page.)

C-H PLATE TYPE FIELD RHEOSTATS

125-160 VOLTS—(Continued)

Resistance of Rheostat 2.5 Times Resistance of Field

Trade No.	Mfrs. No.	AMPERES		Total Ohms of Rheostat	Minimum Ohms of Field	No. of Steps	Size of Plate, In.	No. of Plates	Price Each
		Max.	Min.						
119707	11070	2	.6	200	80	26	9	1	\$6.10
119708	11071	2.5	.7	160	64	26	9	1	6.10
119709	11072	3.2	.9	125	50	26	9	1	6.10
119710	11073	4	1.14	100	40	45	12	1	8.20
119711	11074	5	1.43	80	32	45	12	1	8.20
119712	11075	6.4	1.8	64	25	65	15	1	10.60
119713	11076	8	2.3	50	20	65	15	1	10.60
119714	11077	10	2.9	40	16	130	15	2	24.50
119715	11078	12.5	3.6	32	12.5	130	15	2	24.50
119716	11079	16	4.6	25	10	130	15	2	24.50
119717	11080	20	5.7	20	8	130	15	3	36.00
119718	11081	25	7.2	16	6.4	130	15	4	48.00

Resistance of Rheostat 4 Times Resistance of Field

119719	11090	2	.4	320	80	45	12	1	8.20
119720	11091	2.5	.51	250	64	45	12	1	8.20
119721	11092	3.2	.64	200	50	45	12	1	8.20
119722	11093	4	.8	160	40	45	12	1	8.20
119723	11094	5	1.02	125	32	65	15	1	10.60
119724	11095	6.4	1.23	100	25	65	15	1	10.60
119725	11096	8	1.6	80	20	130	15	2	24.50
119726	11097	10	2	64	16	130	15	2	24.50
119727	11098	12.5	2.56	50	12.5	130	15	2	24.50
119728	11099	16	3.2	40	10	130	15	3	36.00
119729	11100	20	4	32	8	130	15	4	48.00
119730	11101	25	5	25	6.4	130	15	4	48.00

250-320 VOLTS

Resistance of Rheostat Equal to Resistance of Field

119731	12000	1	.5	320	320	26	9	1	6.10
119732	12001	1.25	.64	250	250	26	9	1	6.10
119733	12002	1.6	.8	200	200	26	9	1	6.10
119734	12003	2	1	160	160	26	9	1	6.10
119735	12004	2.5	1.25	125	125	45	12	1	8.20
119736	12005	3.2	1.6	100	100	45	12	1	8.20
119737	12006	4	2	80	80	45	12	1	8.20
119738	12007	5	2.5	64	64	65	15	1	10.60
119739	12008	6	3	50	50	65	15	1	10.60
119740	12009	8	4	40	40	130	15	2	24.50
119741	12010	10	5	32	32	130	15	2	24.50
119742	12011	12.5	6.4	25	25	130	15	3	36.00
119743	12012	15	7.5	20	20	130	15	3	36.00
119744	12013	20	10	16	16	130	15	4	48.00
119745	12014	25	12.5	12.5	12.5	130	15	5	60.00
119746	12015	30	15	10	10	130	15	6	73.00

Resistance of Rheostat 1.6 Times Resistance of Field

119747	12020	2	.78	250	160	45	12	1	8.20
119748	12021	2.5	.98	200	125	45	12	1	8.20
119749	12022	3.2	1.23	160	100	45	12	1	8.20
119750	12023	4	1.54	125	80	65	15	1	10.60
119751	12024	5	1.9	100	64	65	15	1	10.60
119752	12025	6.4	2.46	80	50	130	15	2	24.50
119753	12026	8	3.1	64	40	130	15	2	24.50
119754	12027	10	3.9	50	32	130	15	3	36.00
119755	12028	12.5	4.93	40	25	130	15	3	36.00
119756	12029	16	6.15	32	20	130	15	4	48.00
119757	12030	20	7.8	25	16	130	15	5	60.00
119758	12031	25	9.8	20	12.5	130	15	6	73.00

For complete information, write for Bulletin No. 11110.

(Continued on following page).

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H PLATE TYPE FIELD RHEOSTATS

250-320 VOLTS—Continued

Resistance of Rheostat 2.5 Times Resistance of Field

Trade No.	Mfrs. No.	AMPERES		Total Ohms of Rheostat	Minimum Ohms of Field	No. of Steps	Size of Plate, In.	No. of Plates	Price Each
		Max.	Min.						
119551	12040	5	1.43	160	64	130	15	2	\$24.50
119552	12041	6.4	1.83	125	50	130	15	2	24.50
119553	12042	8	2.3	100	40	130	15	2	24.50
119554	12043	10	2.86	80	32	130	15	3	36.00
119555	12044	12.5	3.6	64	25	130	15	4	48.00
119556	12045	16	4.6	50	20	130	15	5	60.00
119557	12046	20	5.7	40	16	130	15	6	73.00

Resistance of Rheostat 4 Times Resistance of Field

119558	12050	5	1.02	250	64	130	15	2	24.50
119559	12051	6.4	1.28	200	50	130	15	2	24.50
119560	12052	8	1.6	160	40	130	15	3	36.00
119561	12053	10	2.04	125	32	130	15	3	36.00
119562	12054	12.5	2.56	100	25	130	15	4	48.00
119563	12055	16	3.2	80	20	130	15	5	60.00
119564	12056	20	4	60	16	130	15	6	73.00

500-640 VOLTS

Resistance of Rheostat Equal to Resistance of Field

119565	15000	1	.5	640	640	65	15	1	10.60
119566	15001	1.25	.64	500	500	45	12	1	8.20
119567	15002	1.6	.8	400	400	45	12	1	8.20
119568	15003	2	1	320	320	45	12	1	8.20
119569	15004	2.5	1.25	250	250	65	15	1	10.60
119570	15005	3	1.5	200	200	65	15	1	10.60
119571	15006	4	2	160	160	130	15	2	24.50
119572	15007	5	2.5	125	125	130	15	2	24.50
119573	15008	6	3	100	100	130	15	2	24.50
119574	15009	7.5	3.8	80	80	130	15	3	36.00
119575	15010	10	5	64	64	130	15	4	48.00
119576	15011	12.5	6.4	50	50	130	15	5	60.00
119577	15012	15	7.5	42	42	130	15	6	73.00

650-800 VOLTS

Resistance of Rheostat Equal to Resistance of Field

119578	16000	1	.5	800	800	65	15	1	10.60
119579	16001	1.25	.625	640	640	65	15	1	10.60
119580	16002	1.6	.8	500	500	65	15	1	10.60
119581	16003	2	1	400	400	65	15	1	10.60
119582	16004	2.5	1.25	320	320	130	15	2	24.50
119583	16005	3.2	1.6	250	250	130	15	2	24.50
119584	16006	4	2	200	200	130	15	2	24.50
119585	16007	5	2.5	160	160	130	15	3	36.00
119586	16008	6.4	3.2	125	125	130	15	4	48.00
119587	16009	8	4	100	100	130	15	4	48.00
119588	16010	10	5	80	80	130	15	5	60.00
119589	16011	12	6	64	64	130	15	6	73.00

Resistance of Rheostat 1.6 Times Resistance of Field

119590	16020	2	.77	640	400	65	15	1	10.60
119591	16021	2.5	.98	500	320	130	15	2	24.50
119592	16022	3.2	1.23	400	250	130	15	2	24.50
119593	16023	4	1.54	320	200	130	15	3	36.00
119594	16024	5	1.9	250	160	130	15	3	36.00
119595	16025	6.4	2.46	200	125	130	15	4	48.00
119596	16026	8	3.1	160	100	130	15	5	60.00
119597	16027	10	3.9	125	80	130	15	6	73.00

Resistance of Rheostat 2.5 Times Resistance of Field

119598	16030	2	.57	1000	400	130	15	2	24.50
119599	16031	2.5	.72	800	320	130	15	2	24.50
119600	16032	3.2	.9	640	250	130	15	3	36.00
119601	16033	4	1.14	500	200	130	15	3	36.00
119602	16034	5.6	1.43	400	160	130	15	4	48.00
119603	16035	6.4	1.8	320	125	130	15	5	60.00
119604	16036	8	2.3	250	100	130	15	6	73.00

For complete information, write for Bulletin No. 11110.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H SIMPLICITY DIMMERS

TYPE No. 3, FOR MOUNTING FLAT AGAINST THE WALL OR SWITCHBOARD

For Theaters, Lodge Rooms, Clubs, Halls, Residences, Etc.



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TWO-WIRE, FOR 110-VOLT CIRCUITS

Trade No.	Mfrs. No.	Total Lamp Wattage	No. OF METALLIC FILAMENT LAMPS		No. of 16 C. P. Carbon Lamps	Size Plate Inches	Price Each
			60-watt	40-watt	55-watt		
068327	24110	220	4	6	4	9	\$10.00
068328	24111	330	5	8	6	9	10.00
068329	24112	550	9	14	10	9	10.00
068330	24113	660	11	17	12	9	10.00
068331	24114	830	14	21	15	12	14.00
068332	24115	1100*	18	27	20	12	14.00
068333	24116	1375	..	..	25	12	14.00
29262	24130	1375	23	34	..	16	20.00
068334	24131	1650	27	41	30	16	20.00
068335	24132	2200*	36	55	40	16	20.00
068336	24133	2750	..	..	50	16	20.00

TWO-WIRE, FOR 230-VOLT CIRCUITS

Trade No.	Mfrs. No.	Total Lamp Wattage	No. OF METALLIC FILAMENT LAMPS		No. of 16 C. P. Carbon Lamps	Size Plate Inches	Price Each
			60-watt	40-watt	55-watt		
068337	24210	220	4	6	4	12	14.00
068338	24211	330	5	8	6	12	14.00
068339	24212	550	9	14	10	12	14.00
068340	24213	660	11	17	12	12	14.00
068341	24214	830	14	21	15	12	14.00
068342	24215	1100*	18	27	20	12	14.00
068343	24216	1375	..	..	25	12	14.00
29263	24230	1375	23	34	..	16	20.00
068344	24231	1650	27	41	30	16	20.00
068345	24232	2200*	36	55	40	16	20.00
068346	24233	2750	..	..	50	16	20.00

THREE-WIRE, FOR 110-220-VOLT CIRCUITS

Trade No.	Mfrs. No.	Total Lamp Wattage	No. OF METALLIC FILAMENT LAMPS		No. of 16 C. P. Carbon Lamps	Size Plate (2) Plates Inches	Price Each
			60-watt	40-watt	55-watt		
068347	26210	440	8	12	8	9	\$28.00
068348	26211	660	10	16	12	9	28.00
068349	26212	1100	18	28	20	9	28.00
068350	26213	1320	22	34	24	9	28.00
068351	26214	1650	28	42	30	12	34.00
068352	26215	2200*	36	54	40	12	34.00
068353	26216	2750	..	..	50	12	34.00
29264	26230	2750	46	68	..	16	46.00
068354	26231	3300	56	82	60	16	46.00
068355	26232	4400*	74	110	80	16	46.00
068356	26233	5500	..	..	100	16	46.00

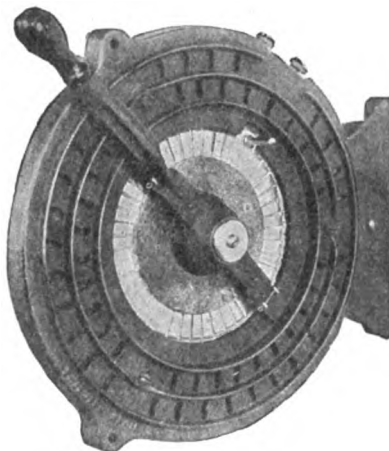
*Maximum capacity of metallic filament lamps.

Write for Bulletin No. 11310.

C-H SIMPLICITY DIMMERS

TYPE No. 4, FOR MOUNTING AT RIGHT ANGLES TO WALL OR SWITCHBOARD

For Theaters, Lodge Rooms, Clubs, Halls, Residences, Etc.



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TWO-WIRE, FOR 110-VOLT CIRCUITS

Trade No.	Mfrs. No.	Total Lamp Wattage	No. of METALLIC FILAMENT LAMPS		No. of 16 C. P. Carbon Lamps	Size Plate Inches	Price Each
			60-watt	40-watt			
068357	25110	220	4	6	4	9	\$12.00
068358	25111	330	5	8	6	9	12.00
068359	25112	550	9	14	10	9	12.00
068360	25113	660	11	17	12	9	12.00
068361	25114	830	14	21	15	12	17.00
068362	25115	1100*	18	27	20	12	17.00
068363	25116	1375	..	..	25	12	17.00
29275	25130	1375	23	34	..	16	22.00
068364	25131	1650	27	41	30	16	22.00
068365	25132	2200*	36	55	40	16	22.00
068366	25133	2750	..	..	50	16	22.00

TWO-WIRE, FOR 230-VOLT CIRCUITS

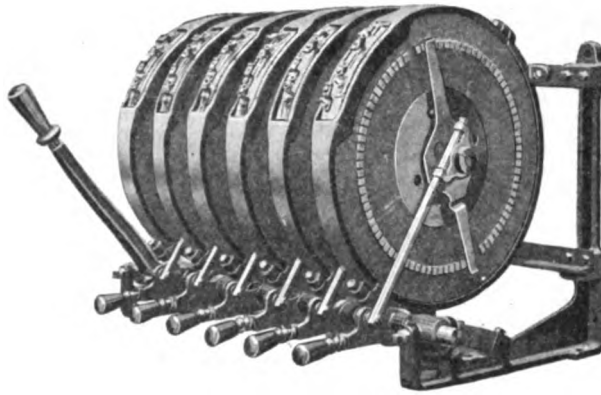
Trade No.	Mfrs. No.	Total Lamp Wattage	No. of METALLIC FILAMENT LAMPS		No. of 16 C. P. Carbon Lamps	Size Plate Inches	Price Each
			60-watt	40-watt			
068367	25210	220	4	6	4	12	17.00
068368	25211	330	5	8	6	12	17.00
068369	25212	550	9	14	10	12	17.00
068370	25213	660	11	17	12	12	17.00
068371	25214	830	14	21	15	12	17.00
068372	25215	1100*	18	27	20	12	17.00
068373	25216	1375	..	..	25	12	17.00
29276	25230	1375	23	34	..	16	22.00
068374	25231	1650	27	41	30	16	22.00
068375	25232	2200*	36	55	40	16	22.00
068376	25233	2750	..	..	50	16	22.00

THREE-WIRE, FOR 110-220-VOLT CIRCUITS

Trade No.	Mfrs. No.	Total Lamp Wattage	No. of METALLIC FILAMENT LAMPS		No. of 16 C. P. Carbon Lamps	Size Plate (2) Plates Inches	Price Each
			60-watt	40-watt			
068377	27210	440	8	12	8	9	\$31.00
068378	27211	660	10	16	12	9	31.00
068379	27212	1100	18	28	20	9	31.00
068380	27213	1320	22	34	24	9	31.00
068381	27214	1650	28	42	30	12	39.00
068382	27215	2200*	36	54	40	12	39.00
068383	27216	2750	..	..	50	12	39.00
29277	27230	2750	46	68	..	16	52.00
068384	27231	3300	56	82	60	16	52.00
068385	27232	4100*	74	110	80	16	52.00
068386	27233	5500	..	..	100	16	52.00

*Maximum capacity for metallic filament lamps.
Write for Bulletin No. 11310.

C-H SIMPLICITY THEATER DIMMERS



Interlocking Type

ELECTRICAL DATA—SINGLE DIMMERS

Total Wattage in Lamps	CAPACITY OF DIMMER— No. of METALLIC FILAMENT LAMPS			No. of 16 C. P. Carbon Lamps	Type	TWO-WIRE 110 VOLTS		Mfrs. No.	Type	THREE-WIRE 110-220 VOLTS		Mfrs. No.
	60-watt	40-watt	35-watt			Trade No.	Trade No.					
450	8	11	8	A	118921	29997	B	118947	30047			
600	10	15	11	A	118922	29998	B	118948	30048			
750	13	19	14	A	118923	29999	B	118949	30049			
900	15	22	16	A	118924	30000	B	118950	30050			
1200	20	30	22	A	118925	30001	B	118951	30051			
1500	25	37	27	A	118926	30002	B	118952	30052			
1800	30	45	33	A	118927	30003	B	118953	30053			
2100	35	52	38	A	118928	30004	B	118954	30054			
2400	40	60	44	A	118929	30005	B	118955	30055			
2700	45	67	50	A	118930	30006	B	118956	30056			
3000	50	75	55	A	118931	30007	B	118957	30057			
3300	55	82	60	B	118932	30008	B	118958	30058			
3600	60	90	65	B	118933	30009	B	118959	30059			
4200	70	105	76	C	118934	30010	C	118960	30060			
4800	80	120	87	C	118935	30011	C	118961	30061			
5400	90	135	100	C	118936	30012	C	118962	30062			
6000	100	150	110	C	118937	30013	C	118963	30063			
6600	110	165	120	D	118938	30014	E	118964	30064			
7200	120	180	130	E	118939	30015	E	118965	30065			
8100	135	200	150	F	118940	30016	G	118966	30066			
9000	150	225	165	F	118941	30017	G	118967	30067			
9600	160	240	175	G	118942	30018	G	118968	30068			
10200	170	255	184	H	118943	30019	I	118969	30069			
10800	180	270	200	I	118944	30020	I	118970	30070			
12000	200	300	220	I	118945	30021	I	118971	30071			
13200	220	330	240	J	118946	30022	J	118972	30072			

ELECTRICAL DATA—COMBINATION DIMMERS

450	8	11	8	K	118973	30027	....	....	....
600	10	15	11	K	118974	30028	....	....	....
750	13	19	14	K	118975	30029	....	....	....
900	15	22	16	K	118976	30030	....	....	....
1200	20	30	22	K	118977	30031	....	....	....
1500	25	37	27	K	118978	30032	....	....	....
1800	30	45	33	K	118979	30033	....	....	....
4200	70	105	76	L	118980	30034	....	....	....
4800	80	120	88	L	118981	30035	....	....	....
5400	90	135	100	M	118982	30036	....	....	....

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-H SIMPLICITY THEATER DIMMERS

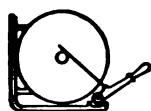
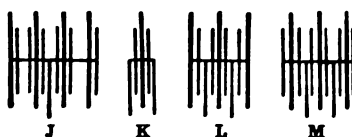
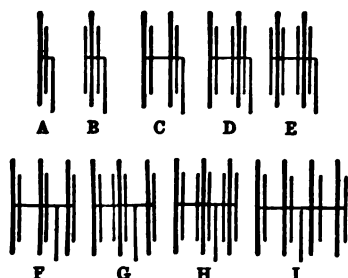


Fig. 1

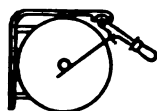


Fig. 2

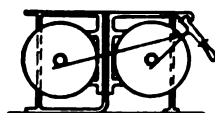


Fig. 3

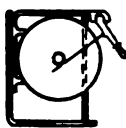


Fig. 4

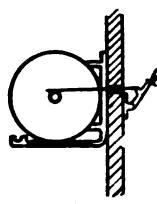


Fig. 6

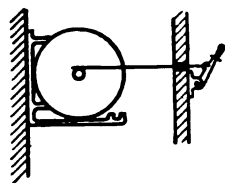


Fig. 7

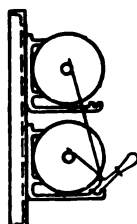


Fig. 25

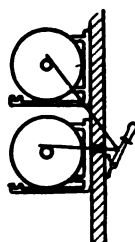


Fig. 26

NON-INTERLOCKING TYPE

Trade No.	Type	Ship. Wt. Lbs. per Dimmer	Price Each Figs. 1 or 2	Trade No.	Type	Ship. Wt. Lbs. per Dimmer	Price Each Figs. 1 or 2
119273	A	60	\$33.00	119280	H	180	\$116.00
119274	B	60	42.00	119281	I	240	129.00
119275	C	120	64.00	119282	J	240	149.00
119276	D	120	73.00	119283	K	160	47.00
119277	E	120	84.00	119284	L	180	109.00
119278	F	180	96.00	119285	M	180	127.00
119279	G	180	107.00	.....	.....	.....	.....

INTERLOCKING TYPE

119286	A	60	36.00	119293	H	180	\$118.00
119287	B	60	44.00	119294	I	240	131.00
119288	C	120	67.00	119295	J	240	151.00
119289	D	120	76.00	119296	K	60	49.00
119290	E	120	87.00	119297	L	180	111.00
119291	F	180	98.00	119298	M	180	129.00
119292	G	180	109.00	.....	.....	.....	.....

The above prices cover dimmers banked in a frame only when six or more plates are ordered banked in one row. When less than these numbers of plates are ordered, add \$16.00 to the list price of the bank.

The above prices for interlocking dimmers include a master lever for every six plates. When more master levers are desired, add \$10.00 to list for each extra lever.

The shipping weight per dimmer given in the above table is an average value which must be multiplied by the number of dimmers in a bank to obtain the approximate shipping weight of the bank.

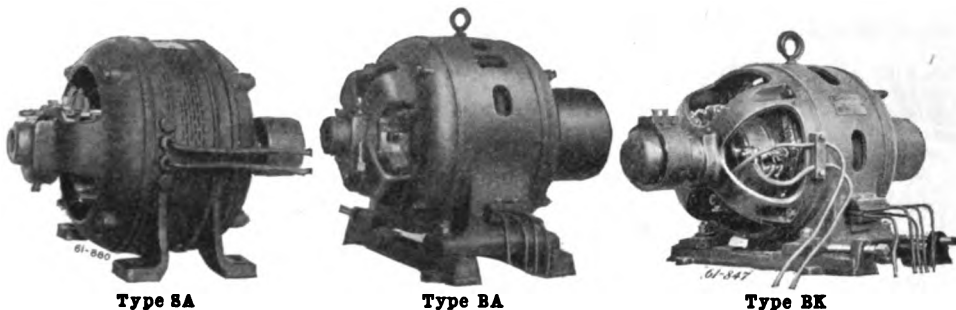
The above prices apply to Fig. 1 and Fig. 2 constructions only. These two styles of construction will be found applicable in by far the greater number of installations.

Sometimes, however, structural limitations or the appearance of the dimmer bank render it desirable to employ other types of construction. Six of the different types frequently used are illustrated on this page. Briefly, the plates in these dimmers may be arranged in one, two, or three rows (or more if desired) with operating levers assembled either above the plates or below them. They may be arranged for mounting on the front of the switchboard in plain view or may be installed behind the board with only the operating levers visible. Where space conditions are such that the plates cannot be assembled close to the operating levers, they may be mounted at a distance and connected to the levers by long drive rods.

Attention is called to the illustrations at the top of the page showing the different types of dimmers listed. It will be noted that all of these, excepting Types K, L and M, show single dimmers, made up of one, two, three, or four plates, according to the capacity required. Types K, L and M are combination dimmers and furnish two complete dimmers in the space required by one single dimmer. The total watt capacity of a combination dimmer, it should be noted, is the same as that of a single dimmer of the same number of plates.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WAGNER SINGLE-PHASE MOTORS



Type SA

Type BA

Type BK

The chief features of Wagner Single-Phase Motors which recommend them to users of electrical power are:

First. Ideal starting characteristics.

Second. Simplicity of control; minimum cost of attendance.

Third. Liberality in design and construction, giving reliability and minimum cost of maintenance.

Central stations frequently find themselves confronted with the necessity of either installing a motor upon the lighting circuit or losing a customer altogether; particularly so if such customer should be a considerable distance from the nearest power feeder.

Polyphase generation with single-phase distribution is now recognized as good practice. From 15 to 35 per cent can be saved on the transformer installation by using single-phase instead of polyphase, as it manifestly costs less to buy and erect the one transformer required for a single-phase motor than the two or three transformers required for polyphase motors. In addition there is a saving of from 15 to 35 per cent in transformer losses, with a corresponding increase in available station capacity. The investment in line construction is also considerably less.

The greatest difficulty in the use of motors upon lighting circuits is in the disturbance produced, particularly at the moment of starting. For a given torque or starting effort, Wagner Single-Phase Motors disturb the one phase from which the entire power is taken, less than the usual polyphase motor disturbs every phase. Wagner Single-Phase Motors can be operated on one phase of a polyphase system without causing serious unbalancing at starting.

A Wagner Single-Phase Motor can be operated without any controlling device other than a double-pole switch (which may be located at any point in the line at a distance—several miles—from the motor). No starting box is necessary. Under these conditions the current and torque at the instant of starting will be approximately two and one half times the normal full load value. The torque at starting is approximately proportional to the starting current. Employing a starting box, any value of starting torque and current can be obtained up to two and one-half times normal, depending on the resistance.

If the power service should fail for any reason, the motor returns to the starting condition, and picks up its load when the power comes on again, without the assistance or attention of the operator; result, minimum cost of attendance. Further, it is impossible to injure the motor by closing or opening the line switch at any speed or cycle of its operation, from rest to full normal speed irrespective of the load conditions.

Wagner Single-Phase Motors are furnished for all frequencies from 25 to 140 cycles and in various sizes from $\frac{1}{4}$ to 50 horse power capacity. Hundreds of central stations are using Wagner High Frequency Motors successfully.

Type BK motor is similar in physical appearance and construction to the Wagner Standard or Type BA Single-Phase Motor. It possesses all the advantages of the Type BA motor, together with a very high power factor. The motor is supplied with double rotor and stator windings, which compensate the motor, thereby securing, at full load, a power factor of 100 per cent. At light loads the motor has a leading power factor. The same rugged construction and large bearings, characteristic of Wagner Motors, are contained in the Type BK motor.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WAGNER SINGLE-PHASE MOTORS

TYPES SA AND BA, 60 CYCLES

110, 220 or 220, 440 Volts, Interchangeable

Trade No.	Frame No.	H. P.	Full Load Speed R. P. M.	APPROX. WT., LBS.		DIMENSIONS, INCHES		
						STANDARD PULLEYS		
				Net	Shipping	Diam.	Face	Bore
116309	8VLSA	$\frac{1}{8}$	3400	75	100	3	2	$\frac{3}{4}$
116310	8TSA	$\frac{1}{8}$	1720	60	90	3	2	$\frac{3}{4}$
116311	8VSA	$\frac{1}{8}$	1140	65	90	3	2	$\frac{3}{4}$
116312	8WLSA	$\frac{1}{4}$	3400	80	100	3	3	$\frac{3}{4}$
116313	8VSA	$\frac{1}{4}$	1720	65	90	3	2	$\frac{3}{4}$
116314	8WSA	$\frac{1}{4}$	1140	70	100	3	3	$\frac{3}{4}$
116315	8WLSA	$\frac{1}{8}$	3400	80	100	3	3	$\frac{3}{4}$
116316	8WSA	$\frac{1}{8}$	1720	70	100	3	3	$\frac{3}{4}$
116317	8XSA	$\frac{1}{8}$	1140	75	100	3	3	$\frac{3}{4}$
116318	8XLSA	$\frac{1}{2}$	3400	90	110	3	3	$\frac{3}{4}$
116319	8WSA	$\frac{1}{2}$	1720	70	100	3	3	$\frac{3}{4}$
116320	9VLBA	$\frac{1}{2}$	1730	110	140	3	3	$\frac{3}{4}$
116321	8YSA	$\frac{1}{2}$	1140	95	120	3	3	$\frac{3}{4}$
116322	8YLSA	$\frac{3}{4}$	3400	105	130	3	3	$\frac{3}{4}$
116323	8XSA	$\frac{3}{4}$	1720	75	100	3	3	$\frac{3}{4}$
116324	9WLBA	$\frac{3}{4}$	1150	115	145	3	3	$\frac{3}{4}$
116325	9VLBA	1	3450	110	140	3	3	$\frac{3}{4}$
116326	8YSA	1	1720	95	120	3	3	$\frac{3}{4}$
116327	9WLBA	1	1730	115	145	3	3	$\frac{3}{4}$
116328	11TBA	1	1150	190	260	$3\frac{1}{2}$	3	$1\frac{1}{8}$
116329	9WLBA	$1\frac{1}{2}$	1730	115	145	3	3	$\frac{3}{4}$
100196	9WLB	2	3450	110	140	3	3	$\frac{3}{4}$
100197	11TB	2	1730	190	260	$3\frac{1}{2}$	3	$1\frac{1}{8}$
100198	11VB	2	1150	200	260	$3\frac{1}{2}$	3	$1\frac{1}{8}$
100199	14VB	2	870	400	500	4	4	$1\frac{1}{8}$
100200	11TLB	3	3450	200	270	3	3	$\frac{3}{4}$
100201	11TB	3	1730	190	260	$3\frac{1}{2}$	3	$1\frac{1}{8}$
100202	14TB	3	1165	360	450	4	4	$1\frac{1}{8}$
100203	14VB	$3\frac{1}{2}$	1165	400	500	4	4	$1\frac{1}{8}$
100204	17TB	$3\frac{1}{2}$	870	575	700	5	$4\frac{1}{2}$	$1\frac{5}{8}$
100205	14TB	4	1750	360	450	4	4	$1\frac{1}{8}$
100206	14TLB	5	3500	380	490	$3\frac{1}{2}$	3	$1\frac{1}{8}$
100207	14TB	5	1750	360	450	4	4	$1\frac{1}{8}$
100208	17TB	5	1165	575	700	5	$4\frac{1}{2}$	$1\frac{5}{8}$
100209	19TB	5	870	795	960	6	5	$1\frac{1}{8}$
100210	14VLB	$7\frac{1}{2}$	3500	420	520	4	4	$1\frac{1}{8}$
100211	14VB	$7\frac{1}{2}$	1750	575	700	5	$4\frac{1}{2}$	$1\frac{5}{8}$
100212	17TB	$7\frac{1}{2}$	1165	575	700	6	5	$1\frac{1}{8}$
100213	19TB	$7\frac{1}{2}$	870	795	960	7	6	$1\frac{5}{8}$
100214	17TB	10	1750	575	700	6	5	$1\frac{1}{8}$
100215	19TB	10	1165	795	960	7	6	$1\frac{1}{8}$
100216	19TB	10	870	795	960	8	6	$1\frac{5}{8}$
100217	19TB	15	1750	795	960	7	6	$1\frac{1}{8}$
100218	19TB	15	1165	795	960	8	6	$1\frac{1}{8}$
100219	22TB	15	870	1580	1780	9	8	$2\frac{1}{8}$
100220	19TB	20	1750	795	960	8	6	$1\frac{1}{8}$
100221	22TB	20	1165	1580	1780	9	8	$2\frac{1}{8}$
100222	22VB	20	870	1630	1860	9	8	$2\frac{1}{8}$
100223	22TB	25	1750	1580	1780	9	8	$2\frac{1}{8}$
100224	22VB	25	1165	1630	1860	9	8	$2\frac{1}{8}$
100225	22WB	25	870	1700	2000	10	8	$2\frac{1}{8}$
100226	22TB	30	1750	1580	1780	9	8	$2\frac{1}{8}$
100227	22VB	30	1165	1630	1860	9	8	$2\frac{1}{8}$
100228	22WB	30	870	1700	2000	10	10	$2\frac{1}{8}$
100229	22VB	35	1750	1630	1860	9	8	$2\frac{1}{8}$
100230	22WB	35	1165	1700	2000	10	8	$2\frac{1}{8}$
100231	22VB	40	1750	1630	1860	9	8	$2\frac{1}{8}$
100232	22WB	40	1165	1700	2000	10	8	$2\frac{1}{8}$
100233	22WB	50	1750	1700	2000	10	8	$2\frac{1}{8}$

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Write for prices and bulletins giving complete description.

WAGNER POLYPHASE MOTORS



75 H. P. Wound Rotor Polyphase Motor

Wagner Polyphase Motors are designed to exert high torque at starting and to have reasonably high efficiencies, but, above all, large overload capacity.

In designing polyphase motors, the proper balancing of starting torque, efficiency, overload capacity, power factor, and slip is largely a question of judgment and policy, since special merit in any one feature can be obtained only at the expense of the others.

The selection of values of each of these characteristics is based on the theory that surety of start and dependability under extreme, though perhaps temporary, overload are of greater importance than high theoretical efficiency, reached only when operating at full load.

However, the Wagner Company is prepared to meet special requirements in performance characteristics, departing from its standard policy, when assured that such motors will fulfill the conditions under which they are intended to operate.

Wagner guarantees as to overload are always given in horse power and not in torque. A high overload in torque does not necessarily mean high overload power capacity, since power is the product of torque and speed and the slip at overload may be large.

In electrical and mechanical ruggedness, the Wagner Motors are a class unto themselves. The use of materials of the highest quality and the possession of a complete modern shop equipment and organization, assures that Wagner output is of the best workmanship, strictly Wagner Quality.

RATINGS AND GUARANTEES

The desire to attain absolute reliability has led the Wagner Company to be conservative in its ratings, assuming that a motor whose overload capacity is considerably above its rating will be a more satisfactory machine in the end. A Wagner Motor will carry a 50 per cent overload for short periods and a momentary overload of from 200 to 250 per cent.

The limiting temperature rises adopted in Wagner designs are those recommended by the American Institute of Electrical Engineers.

TYPES, SIZES AND DIMENSIONS

The Wagner line includes both the squirrel cage and wound rotor types. The latter are recommended in all cases where the starting load is heavy and in large sizes to avoid line disturbance, resulting from heavy current at starting. The former type is recommended because of its simplicity in the smaller sizes where the starting current is relatively small.

Wagner Polyphase Motors are built for standard frequencies and voltages in all sizes. Motors for special voltages and frequencies or machines with special performance characteristics can be built when required.

WAGNER STANDARD AUTO-STARTERS, TYPE BT

With motors of greater than 5 horse power capacity it is usual to employ some form of starter consisting of a switching device in combination with an auto-transformer provided with sub-voltage taps and commonly known as an auto-starter or starting compensator. This apparatus is used to cut down the starting current, which would otherwise be so large as to disturb other apparatus on the same circuit.

A starter for a polyphase squirrel cage motor is a very important part of the equipment, as even a good motor will show poor starting characteristics if the starter is not properly designed and built. The Wagner Type BT Auto-Starter is designed to meet the most exacting motor-starting conditions. The auto-transformer is provided with several taps to which connections can be made to give just the starting conditions desired. All contacts are made and broken under oil, so that arcing is almost entirely prevented, thus reducing the wear on the contacts to a minimum. A stop prevents turning the wheel in the wrong direction, so that it is impossible to apply line voltage to the motor when it is at rest. To start the motor the handle is turned clockwise to first starting position and held there a few moments until the motor gains speed; then it is moved to the second starting position and held there until the motor attains a constant speed, when it is moved to the running position where it locks. It is impossible to leave the controller on a starting position, as when the wheel is turned it winds up a spring, which will return the controller to the starting position if the hand is removed from the wheel. To stop the motor it is merely necessary to turn the starting wheel to the off position, when it trips the dog which holds the controller in the running position. The spring then returns the drum to the starting position.

STARTING BOXES

Starting boxes for wound rotor type are materially the same as in direct current practice, except that multiple circuits are provided. In the Wagner type the resistance is always external to the machine, so that a burn-out in the resistance will not result in the disabling of the motor.



Type B Auto-Controller with Oil Tank Removed Showing Contact Fingers

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WAGNER POLYPHASE MOTORS

TYPE BR—WOUND ROTOR, SEMI-ENCLOSED SLOTS

For Continuous Duty

Wagner Motors can be furnished in capacities up to 400 horse power, for two or three-phase circuits, 25, 50 or 60 cycles, in voltages from 220 to 2200.

TWO OR THREE-PHASE, 60 CYCLES

110, 220, 440 or 550 Volts

Two-Phase Trade No.	Three-Phase Trade No.	Frame No.	H. P.	Full Load Speed R. P. M.	APPROX. SHIP. Wt., Lbs.		DIMENSIONS, INCHES STANDARD PULLEYS		
					Net	Gross	Diam.	Face	Bore
100246	100275	9WLBR	$1\frac{1}{4}$	1680	110	130	3	3	$3\frac{3}{4}$
100247	100276	9WLBR	$1\frac{1}{4}$	1100	110	130	3	3	$3\frac{3}{4}$
100248	100277	9WLBR	$1\frac{1}{4}$	830	110	130	3	3	$3\frac{3}{4}$
100249	100278	9WLBR	$1\frac{1}{2}$	1680	110	130	3	3	$3\frac{3}{4}$
100250	100279	9WLBR	$1\frac{1}{2}$	1100	110	130	3	3	$3\frac{3}{4}$
066554	066614	11TBR	$1\frac{1}{2}$	830	170	200	$3\frac{1}{2}$	3	$11\frac{1}{8}$
100251	100280	9WLBR	$3\frac{3}{4}$	1680	110	130	3	3	$3\frac{3}{4}$
100252	100281	9WLBR	$3\frac{3}{4}$	1100	110	130	3	3	$3\frac{3}{4}$
100253	100282	11TBR	$3\frac{3}{4}$	830	170	200	$3\frac{1}{2}$	3	$11\frac{1}{8}$
100254	100283	9WLBR	1	1680	110	130	3	3	$3\frac{3}{4}$
066556	066616	11TBR	1	1100	170	200	$3\frac{1}{2}$	3	$11\frac{1}{8}$
066557	066617	11VBR	1	830	200	265	$3\frac{1}{2}$	3	$11\frac{1}{8}$
100255	100284	11TBR	$1\frac{1}{2}$	1690	170	200	$3\frac{1}{2}$	3	$11\frac{1}{8}$
100256	100285	11VBR	$1\frac{1}{2}$	1110	200	265	$3\frac{1}{2}$	3	$11\frac{1}{8}$
100257	100286	13TBR	$1\frac{1}{2}$	840	330	410	4	4	$15\frac{5}{8}$
066558	066618	11TBR	2	1690	170	200	$3\frac{1}{2}$	3	$11\frac{1}{8}$
066559	066619	11VBR	2	1120	200	265	$3\frac{1}{2}$	3	$11\frac{1}{8}$
066560	066620	13TBR	2	840	360	440	4	4	$19\frac{5}{8}$
066561	066621	11VBR	3	1700	200	265	$3\frac{1}{2}$	3	$11\frac{1}{8}$
100258	100287	13TBR	3	1120	330	410	4	4	$19\frac{5}{8}$
066563	066623	14VBR	3	840	390	490	5	$4\frac{1}{2}$	$19\frac{5}{8}$
100259	100288	13TBR	5	1700	330	410	4	4	$15\frac{5}{8}$
066565	066625	14VBR	5	1130	390	490	5	$4\frac{1}{2}$	$19\frac{5}{8}$
066566	066626	17TBR	5	840	590	720	6	5	$15\frac{5}{8}$
066567	066627	14VBR	$7\frac{1}{2}$	1710	390	490	5	$4\frac{1}{2}$	$19\frac{5}{8}$
066568	066628	17TBR	$7\frac{1}{2}$	1130	590	720	6	5	$15\frac{5}{8}$
066569	066629	17TBR	$7\frac{1}{2}$	850	590	720	7	6	$15\frac{5}{8}$
100260	100289	19TBR	$7\frac{1}{2}$	690	740	900	8	6	$15\frac{5}{8}$
100261	100290	19TBR	$7\frac{1}{2}$	570	740	900	8	6	$15\frac{5}{8}$
066570	066630	17TBR	10	1720	590	720	6	5	$15\frac{5}{8}$
066571	066631	17TBR	10	1130	590	720	7	6	$15\frac{5}{8}$
066572	066632	19TBR	10	850	740	900	8	6	$15\frac{5}{8}$
066573	066633	19TBR	10	690	740	900	8	6	$15\frac{5}{8}$
066574	066634	17TBR	15	1720	590	720	7	6	$15\frac{5}{8}$
066575	066635	19TBR	15	1140	740	900	8	6	$15\frac{5}{8}$
066576	066636	19TBR	15	850	740	900	9	8	$15\frac{5}{8}$
100262	100291	19TBR	20	1720	740	900	8	6	$15\frac{5}{8}$
066579	066639	19TBR	20	1140	740	900	9	8	$15\frac{5}{8}$
066580	066640	22TBR	20	690	1180	1370	10	8	$27\frac{7}{8}$
100263	100292	22VBR	20	570	1350	1600	10	8	$27\frac{7}{8}$
066582	066642	19TBR	25	1720	740	900	8	6	$15\frac{5}{8}$
100264	100293	19TBR	25	1140	740	900	9	8	$15\frac{5}{8}$
066584	066644	22TBR	25	850	1180	1370	10	8	$27\frac{7}{8}$
100265	100294	22VBR	25	690	1350	1600	10	10	$27\frac{7}{8}$
100266	100295	22WBR	25	570	1500	1750	10	10	$27\frac{7}{8}$
100267	100296	19TBR	30	1720	740	900	9	8	$15\frac{5}{8}$
100268	100297	22TBR	30	850	1180	1370	10	8	$27\frac{7}{8}$
066588	066648	22WBR	30	690	1500	1750	10	10	$27\frac{7}{8}$
100269	100298	19TBR	35	1720	740	900	9	8	$15\frac{5}{8}$
066589	066649	22TBR	35	1140	1180	1370	10	8	$27\frac{7}{8}$
100270	100299	22VBR	35	850	1350	1750	10	10	$27\frac{7}{8}$
066591	066651	22WBR	35	690	1500	1750	11	12	$27\frac{7}{8}$
100271	100300	26V3BR	35	570	2100	2400	11	12	$37\frac{7}{8}$
066592	066652	22TBR	40	1730	1180	1370	9	8	$27\frac{7}{8}$
100272	100301	22TBR	40	1140	1180	1370	10	8	$27\frac{7}{8}$
066594	066654	22WBR	40	850	1500	1750	11	12	$27\frac{7}{8}$
100273	100302	26V3BR	40	690	2100	2400	11	12	$37\frac{7}{8}$
100274	100303	26V4BR	40	580	2200	2500	11	12	$37\frac{7}{8}$

Write for prices and bulletins giving complete description.

Slide rails and pulley are furnished with each motor, but they may be omitted and an allowance made.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WAGNER POLYPHASE MOTORS

TYPE BP—SQUIRREL CAGE, SEMI-ENCLOSED SLOTS

Wagner Motors can be furnished in capacities up to 400 horse power, for two or three phase circuits, 25, 50 or 60 cycles, in voltages from 220 to 2200.

TWO OR THREE-PHASE, 60 CYCLES

Two-Phase Trade No.	Three-Phase Trade No.	Frame No.	H. P.	Full Load Speed R. P. M.	APPROX. SHIP. WT., LBS.		DIMENSIONS, INCHES STANDARD PULLEYS		
					Net	Gross	Diam.	Face	Bore
100314	100344	8TLSM	$\frac{1}{4}$	3400	75	85	3	2	$\frac{3}{4}$
066444	066498	8TSM	$\frac{1}{4}$	1720	64	75	3	2	$\frac{3}{4}$
066445	066499	8VSM	$\frac{1}{4}$	1140	85	100	3	2	$\frac{3}{4}$
100315	100345	8WSM	$\frac{1}{4}$	850	85	100	3	2	$\frac{3}{4}$
100316	100346	8VLSM	$\frac{1}{2}$	3400	95	110	3	2	$\frac{3}{4}$
066446	066500	8VSM	$\frac{1}{2}$	1720	85	100	3	2	$\frac{3}{4}$
066447	066501	8WSM	$\frac{1}{2}$	1140	85	100	3	3	$\frac{3}{4}$
100317	100347	8XSM	$\frac{1}{2}$	850	106	125	3	3	$\frac{3}{4}$
066448	066502	8WLSM	$\frac{3}{4}$	3400	95	110	3	3	$\frac{3}{4}$
100318	100348	8WSM	$\frac{3}{4}$	1720	85	100	3	3	$\frac{3}{4}$
100319	100349	8XSM	$\frac{3}{4}$	1140	106	125	3	3	$\frac{3}{4}$
100320	100350	9WLBP	$\frac{3}{4}$	850	170	200	$3\frac{1}{2}$	3	$1\frac{1}{8}$
100321	100351	8WLSM	1	3400	95	110	3	3	$\frac{3}{4}$
066450	066504	8XSM	1	1720	106	125	3	3	$\frac{3}{4}$
066451	066505	9WLBP	1	1140	170	200	$3\frac{1}{2}$	3	$1\frac{1}{8}$
066452	066506	11TBP	1	850	170	200	$3\frac{1}{2}$	3	$1\frac{1}{8}$
100322	100352	8XLSM	$1\frac{1}{2}$	3400	116	135	3	3	$\frac{3}{4}$
100323	100353	9WLBP	$1\frac{1}{2}$	1720	130	150	3	3	$\frac{3}{4}$
100324	100354	11TBP	$1\frac{1}{2}$	1140	170	200	$3\frac{1}{2}$	3	$1\frac{1}{8}$
066453	066507	11VBP	$1\frac{1}{2}$	850	200	265	$3\frac{1}{2}$	3	$1\frac{1}{8}$
100325	100355	9WLBP	2	3400	130	150	3	3	$\frac{3}{4}$
066454	066508	9WLBP	2	1720	170	200	$3\frac{1}{2}$	3	$1\frac{1}{8}$
066455	066509	11VBP	2	1140	200	265	$3\frac{1}{2}$	3	$1\frac{1}{8}$
066456	066510	14TBP	2	850	330	420	4	4	$1\frac{5}{8}$
100326	100356	14TBP	2	700	360	440	4	4	$1\frac{9}{8}$
100327	100357	11TLBP	3	3400	190	220	3	3	$\frac{3}{4}$
100328	100358	11TBP	3	1720	170	200	$3\frac{1}{2}$	3	$1\frac{1}{8}$
100329	100359	13TBP	3	1140	330	420	4	4	$1\frac{5}{8}$
066459	066513	13TBP	3	850	360	440	5	$4\frac{1}{2}$	$1\frac{9}{8}$
100330	100360	14VBP	3	700	390	490	5	$4\frac{1}{2}$	$1\frac{9}{8}$
100331	100361	11VLBP	5	3400	220	285	3	3	$\frac{3}{4}$
100332	100362	13TBP	5	1720	330	420	4	4	$1\frac{5}{8}$
100333	100363	13TBP	5	1140	330	420	5	$4\frac{1}{2}$	$1\frac{5}{8}$
066462	066516	14VBP	5	850	390	490	6	5	$1\frac{9}{8}$
100334	100364	17TBP	5	700	590	720	6	5	$1\frac{13}{8}$
100335	100365	17TBP	5	580	590	720	7	6	$1\frac{13}{8}$
100336	100366	14TLBP	$7\frac{1}{2}$	3400	400	480	4	4	$1\frac{1}{8}$
100337	100367	13TBP	$7\frac{1}{2}$	1730	330	420	5	$4\frac{1}{2}$	$1\frac{5}{8}$
066464	066518	14VBP	$7\frac{1}{2}$	1140	390	490	6	5	$1\frac{9}{8}$
066465	066519	17TBP	$7\frac{1}{2}$	850	590	720	7	6	$1\frac{13}{8}$
100338	100368	19TBP	$7\frac{1}{2}$	700	740	900	8	6	$1\frac{13}{8}$
100339	100369	19TBP	$7\frac{1}{2}$	580	740	900	8	6	$1\frac{13}{8}$
100340	100370	14TLBP	10	3400	400	480	4	4	$1\frac{1}{8}$
066466	066520	14VBP	10	1730	390	490	6	5	$1\frac{9}{8}$
066467	066521	17TBP	10	1140	590	720	7	6	$1\frac{13}{8}$
066468	066522	17TBP	10	850	590	720	8	6	$1\frac{13}{8}$
066469	066523	19TBP	10	700	740	900	8	6	$1\frac{13}{8}$
100341	100371	19TBP	10	580	740	900	8	6	$1\frac{13}{8}$
100342	100372	14VLBP	15	3400	430	520	5	$4\frac{1}{2}$	$1\frac{1}{8}$
066470	066524	17TBP	15	1730	590	720	7	6	$1\frac{13}{8}$
066471	066525	17TBP	15	1140	590	720	8	6	$1\frac{13}{8}$
066472	066526	19TBP	15	850	740	900	9	8	$1\frac{13}{8}$
066473	066527	19TBP	15	700	740	900	9	8	$1\frac{13}{8}$
100343	100373	22TBP	15	580	1180	1370	9	8	$2\frac{7}{8}$

Write for prices and bulletins giving complete description.

Slide rails and pulley are furnished with each motor, but they may be omitted and an allowance made.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WAGNER POLYPHASE MOTORS

TYPE BW



Type BW Polyphase Motor

The BW motor is an application to polyphase uses of the mechanical features of the Wagner Single-Phase Type, thereby securing the desirable starting and operating performance of the latter. In brief, the BW motor, like the Wagner Single-Phase Motor, embodies:

1. High torque with low current at starting.
2. The ideal operating features of the squirrel cage induction motor.
3. Extreme simplicity of external or manual control, together with the automatic features heretofore obtainable only in the Wagner type of single-phase motor.

The BW Motor is controlled entirely by a three-pole single-throw switch. It is necessary to issue but two instructions as to its operation:

1. Keep oil in the bearings.
2. Close or open the switch as desired.

The BW motor at the first instant of starting draws three times normal current, exerting a torque of two and three quarters times normal. Squirrel cage motors, if limited to three times normal current at starting, usually will not exert as great torque as the BW motor.

Applications: Wagner BW Motors are suitable for practically all installations in which squirrel cage motors can be used. They will also give entirely satisfactory service in place of the wound rotor type for any purpose not requiring speed variations.

In classes of service where motors are handled by unskilled operatives, the BW type will prove invaluable.

TWO AND THREE-PHASE, 60 CYCLES

Automatically combining characteristics of slip-ring type for starting, with squirrel cage for operating. A three-pole primary switch is the only accessory required.

Trade No.	Frame	H. P.	Full Load Speed	APPROXIMATE WEIGHTS	
				Net POUNDS	Shipping
083831	11TBW	3	1720	265	305
083832	14TBW	3	1140	415	475
083833	14TBW	3	850	415	475
083834	14TBW	5	1720	415	475
083835	14TBW	5	1140	415	475
083836	14VBW	5	850	440	500
083837	14TBW	7.5	1730	415	475
083838	14VBW	7.5	1140	440	500
083839	17TBW	7.5	850	655	715
083840	14VBW	10	1730	440	500
083841	17TBW	10	1140	655	715
083842	17TBW	10	850	655	715
083843	17TBW	15	1730	655	715
083844	17TBW	15	1140	655	715
083845	19TBW	15	850	890	965
083846	17TBW	20	1730	655	715
083847	19TBW	20	1140	890	965
083848	19TBW	20	850	890	965
083849	19TBW	25	1730	890	965
083850	19TBW	25	1140	890	965
083851	19TBW	30	1730	890	965
083852	19TBW	30	1140	890	965
083853	22VBW	30	850	1800	1950
083854	19TBW	35	1730	890	965
083855	22TBW	35	1140	1750	1900
083856	22VBW	35	850	1800	1950
083857	19TBW	40	1730	890	965
083858	22TBW	40	1140	1750	1900
083859	22WBW	40	850	1850	2000
083860	22TBW	50	1730	1750	1900
083861	22VBW	50	1140	1800	1950

Prices on application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WAGNER SINGLE-PHASE CONVERTERS

*60 CYCLES



Designed for the same purpose as the Wagner Rectifier, namely, changing alternating to direct current, but effects this end by different means and on a much larger scale. Intended especially for the charging of electric vehicle batteries, but is also used for moving picture and theatrical work, X-ray and similar work, charging telephone batteries, energizing telegraph systems, railway signal work, and miscellaneous industrial uses.

The converter proper is very similar to the single-phase motor in physical construction. The alternating current is supplied through slip rings, and forms the motive power. The direct current is commutated from the rotor of the same machine. The converter is supplied with switchboard with the necessary apparatus for controlling the current. The converter may be operated as a motor, when not used as a converter, to drive washing machines, tire pumps, vacuum cleaners, and for other domestic power purposes.

Apparatus is furnished in the following equipments:

Equipment DU, without instruments, is intended for cars equipped with ammeter and voltmeter on the dash.

Equipment DUC is furnished with one instrument, having a switch, permitting either voltage or current readings. Type D instrument furnished with equipment DUC has a switch. With switch to the left, instrument reads amperes; with switch to the right, instrument reads volts. Upon starting a charge always have instrument read amperes.

Equipment DUAV is furnished with two separate instruments, one ammeter and one voltmeter. The instruments are Type D and are permanently connected in circuit, giving continuous indications.

Trade No.	Frame No.	D. C. Amperes	WILL CHARGE No. OF CELLS		D. C. Fuses	INSTRUMENT SCALES		Approx. Ship. Wt. Complete Pounds
			Lead	Edison		Ammeter	Voltmeter	
085626	11T	25	10-14	16-20	35	0- 50	0- 60	880
085623	11T	25	20-30	30-40	35	0- 50	0-150	880
085624	11V	25	32-36	48-52	35	0- 50	0-150	915
085625	14T	25	38-48	56-72	35	0- 50	0-150	1090
085627	11T	35	10-14	16-20	45	0- 50	0- 60	880
085628	11T	35	15-17	22-26	45	0- 50	0- 60	880
085636	11V	35	18-26	26-38	45	0- 50	0-150	915
085637	14T	35	28-34	42-50	45	0- 50	0-150	1090
085638	14T	35	36-44	52-64	45	0- 50	0-150	1090
085639	14T	50	18-30	26-44	60	0-100	0-150	1090
085641	14V	50	32-44	48-62	60	0-100	0-150	1170
085642	17T	50	40-50	60-74	65	0-100	0-150	1440
085643	17T	70	22-32	32-48	90	0-100	0-150	1440
085644	17T	70	38-50	56-74	90	0-100	0-150	1440
085645	17T	90	38-44	56-64	110	0-150	0-150	1440
085646	17T	100	30-40	44-60	125	0-150	0-150	1440

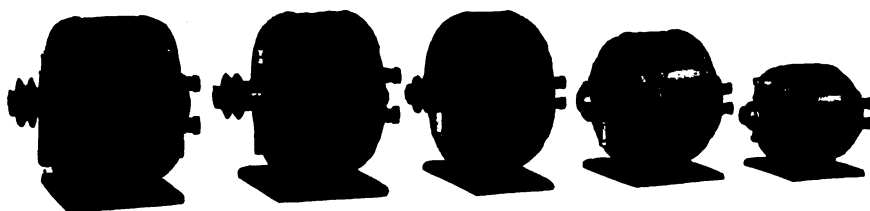
*Stock sets will be built for 220 volts primary; they will also be built, specially, for any other voltage up to 550 volts.

Prices and complete description furnished on application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EMERSON SINGLE-PHASE INDUCTION MOTORS

SPLIT PHASE FULL LOAD START TYPES



$\frac{1}{30}$ to $\frac{1}{2}$ Horse Power, for General Service
For 110 Volts, 60 Cycles

Trade No.	Mfrs. No.	H. P.	Approx. R. P. M.	Type	APPROX. WATTS		APPROX. WT. Lbs.	Price Each
					No Load	Full Load	Net Packed	
100411	41417AA	$\frac{1}{30}$	1750	Clutchless	25	60	11 17	\$14.50
100412	51410BA	$\frac{1}{15}$	1750	Clutchless	50	110	17 23	17.50
100413	51415BA	$\frac{1}{10}$	1750	Clutchless	50	135	18 24	19.50
127064	67615FD	$\frac{1}{8}$	1150	Clutchless	80	180	26 33	25.00
100414	66410EB	$\frac{1}{8}$	1750	Clutchless	60	180	22 29	23.00
127065	67620AM	$\frac{1}{6}$	1150	Clutchless	85	240	30 42	28.00
100415	66415FD	$\frac{1}{6}$	1750	Clutchless	65	210	26 33	25.00
100416	66420AM	$\frac{1}{4}$	1750	Clutchless	80	290	30 42	30.00
127066	†7362TA	$\frac{1}{4}$	1150	Clutch	90	305	42 60	42.00
127067	†7342TA	$\frac{1}{4}$	1750	Clutch	60	280	42 60	42.00
127068	†8162AA	$\frac{1}{2}$	1150	Clutch	150	580	70 110	60.00
127069	7340JA	$\frac{1}{2}$	1750	Clutch	100	560	54 75	48.00
For 220 Volts, 60 Cycles								
127070	†7362TA	$\frac{1}{4}$	1150	Clutch	90	305	42 60	42.00
127071	66420AM	$\frac{1}{4}$	1750	Clutchless	80	290	30 42	30.00
127072	†8162AA	$\frac{1}{2}$	1150	Clutch	150	580	70 110	60.00
127073	7340JA	$\frac{1}{2}$	1750	Clutch	100	560	54 75	48.00

INVERTIBLE, BACK-GEARED TYPES WITH COUNTERSHAFT

For 110 Volts, 60 Cycles

001816	9160GS	$\frac{1}{3}$	230	Clutch	90	400	105 155	99.00
001817	*9142GS	$\frac{1}{2}$	350	Clutch	105	485	100 150	92.00
019440	†*9163FS	$\frac{1}{2}$	230	Clutch	150	495	130 190	107.50
019441	†*9140FS	$\frac{1}{2}$	350	Clutch	105	485	125 185	103.00

Prices include pulley and base.

*Indicates motor must be made to special order.

†Indicates motors suitable for unusually severe conditions or continuous service for long periods under full load.

Bulletins for complete specifications upon application.

PULLEYS FURNISHED

Type 41417AA, single-groove pulley, $1\frac{1}{8}$ inches diameter, for $\frac{1}{4}$ -inch belt.Type 51410BA, single-groove pulley, $1\frac{1}{2}$ inches diameter, for $\frac{1}{4}$ -inch belt.Type 51415BA, single-groove pulley, $1\frac{1}{2}$ inches diameter, for $\frac{5}{16}$ -inch belt.Types 66410EB, 67615FD, single-groove pulley, $1\frac{3}{8}$ inches diameter, for $\frac{5}{16}$ -inch belt.Types 66415FD, 66420AM, 67620AM, single-groove pulley, 2 inches diameter, for $\frac{5}{8}$ -inch belt.Types 7342TA, 7362TA, three-grooved, for $\frac{5}{8}$ -inch belt, steps $1\frac{1}{2}$, 2, $2\frac{1}{2}$ inches diameter.Type 8162AA, single-flange crowning face paper pulley, 3 inches diameter, $2\frac{1}{2}$ -inch face.Type 7340JA, single-flange crowning face paper pulley, $2\frac{1}{2}$ inches diameter, 2-inch face.Motors with back-geared countershaft, double-flange paper pulley, 4 inches diameter, $2\frac{1}{2}$ -inch face.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EMERSON SINGLE-PHASE INDUCTION MOTORS

REPULSION START TYPES, 1/4 TO 1 H. P.



Type No. IR94435AA

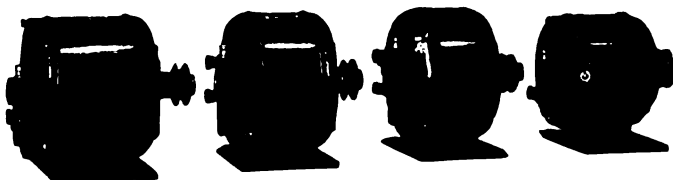
Trade No.	Mfrs. No.	Cycles	Voltage	H. P.	Approx. Speed R. P. M.	APPROX. No. Load	WATTS Full Load	Wt., Net	Lbs. Packed	Price Each
100405	IR66420AA	60	110 or 220	1/4	1750	95	290	36	45	\$40.50
100406	IR76425AA	60	110 or 220	1/2	1750	115	530	58	80	58.50
100407	IR83430AA	60	110 or 220	3/4	1750	130	740	100	145	72.00
100408	IR94435AA	60	110 or 220	1	1750	160	990	150	210	90.00
126088	IR94635AA	60	110 or 220	1	1150	130	1050	150	210	90.00

These motors have interchangeable connections for 110 or 220 volts.

Pulleys furnished: Type IR66420AA, flangeless, crowning face steel pulley, 2 inches in diameter, 1 1/2-inch face. Types IR76425AA and IR83430AA crowning face paper pulley, 3 inches in diameter, 2-inch face. Types IR94435AA and IR94635AA, crowning face paper pulley, 3 inches in diameter, 3-inch face.

EMERSON FAMILY WASHING MACHINE MOTORS

1/2 and 1/4 Horse Power, for Single-Phase Alternating and Direct Currents



Fully Enclosed Reversible Invertible Motors

(Alternating Current Motors are without Starting Clutches)

Alternating Current

Trade No.	Type No.	Cycles	Voltage	H. P.	Approx. R. P. M.	APPROX. No. Load	WATTS Full Load	Wt., Net	Lbs. Ship.	Diam. of Pulley Inches	Price Each
100395	66415FC	60	110	1/8	1750	70	165	26	34	1 3/8	\$25.00
100396	66420AB	60	110	1/6	1750	80	220	29	41	2	28.00
100397	*66220AB	25	110	1/8	1450	85	180	29	41	1 3/8	31.00
100398	*66220CB	25	110	1/6	1450	95	235	34	47	2	35.00

Direct Current

Trade No.	Type No.	Cycles	Voltage	H. P.	Approx. R. P. M.	APPROX. No. Load	WATTS Full Load	Wt., Net	Lbs. Ship.	Diam. of Pulley Inches	Price Each
100403	*412GJ	....	32	1/8	1750	50	150	22	32	1 3/8	20.50
100399	412GJ	....	110	1/8	1750	50	150	22	32	1 3/8	18.50
100400	*412GJ	....	220	1/8	1750	50	150	22	32	1 3/8	20.50
100404	*402EL	....	32	1/6	1750	55	190	27	37	2	22.50
100401	402EL	....	110	1/6	1750	55	190	27	37	2	20.50
100402	402EL	....	220	1/6	1750	55	190	27	37	2	22.50

*Must be made to special order.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EMERSON DIRECT CURRENT MOTORS

VENTILATED TYPES, $\frac{1}{20}$ TO 1 H. P.

Trade No.	Type No.	Voltage	Winding	H. P.	Approx. Speed R. P. M.	APPROX. WATTS		APPROX. WT., LBS.			Price Each
						No. Load	Full Load	Net	Packed		
127101	312DA	110	Shunt	$\frac{1}{20}$	1750	25	75	12	20		\$16.00
127102	312DA	220	Shunt	$\frac{1}{20}$	1750	25	75	12	20		18.00
127103	412HT	110	Shunt	$\frac{1}{40}$	1750	40	145	17	22		19.00
127104	412HT	220	Shunt	$\frac{1}{40}$	1750	40	145	17	22		21.00
127105	402DT	110	Shunt	$\frac{1}{8}$	1150	50	155	22	30		22.00
127106	402DT	220	Shunt	$\frac{1}{8}$	1150	50	155	22	30		24.00
127107	402DT	32	Shunt	$\frac{1}{8}$	1750	50	160	22	30		24.00
127108	402DT	110	Shunt	$\frac{1}{8}$	1750	50	160	22	30		22.00
127109	402DT	220	Shunt	$\frac{1}{8}$	1750	50	160	22	30		24.00
127110	422HA	110	Compound	$\frac{1}{6}$	1150	50	190	25	33		24.00
127111	422HA	220	Compound	$\frac{1}{6}$	1150	50	190	25	33		26.00
127112	422HA	32	Compound	$\frac{1}{6}$	1750	50	195	25	33		26.00
127113	422HA	110	Compound	$\frac{1}{6}$	1750	50	195	25	33		24.00
127114	422HA	220	Compound	$\frac{1}{6}$	1750	50	195	25	33		26.00
127115	522DA	110	Compound	$\frac{1}{4}$	1150	55	260	48	70		39.00
127116	522DA	220	Compound	$\frac{1}{4}$	1150	55	260	48	70		39.00
127117	522DA	32	Compound	$\frac{1}{4}$	1750	60	260	48	70		40.50
127118	522DA	110	Compound	$\frac{1}{4}$	1750	60	260	48	70		39.00
127119	522DA	220	Compound	$\frac{1}{4}$	1750	60	260	48	70		39.00
127120	732DA	110	Compound	$\frac{1}{2}$	1150	75	480	110	160		60.00
127121	732DA	220	Compound	$\frac{1}{2}$	1150	75	480	110	160		60.00
127122	632DA	32	Compound	$\frac{1}{2}$	1750	70	480	75	105		50.00
127123	632DA	110	Compound	$\frac{1}{2}$	1750	70	480	75	105		50.00
127124	632DA	220	Compound	$\frac{1}{2}$	1750	70	480	75	105		50.00
127125	1034DE	110	Compound	1	1150	175	950	155	210		80.00
127126	1034DE	220	Compound	1	1150	175	950	155	210		80.00
127127	1034DE	110	Compound	1	1750	200	975	155	210		80.00
127128	1034DE	220	Compound	1	1750	200	975	155	210		80.00

Prices include pulley. Price of $\frac{1}{4}$ H. P. motor includes automatic release starting box.

Prices of $\frac{1}{2}$ H. P. and larger motors include sliding base and automatic release starting boxes.

No rheostats required or furnished with others listed.

PULLEYS FURNISHED

Type 312DA, single-groove iron pulley, $1\frac{1}{2}$ inches diameter, for $\frac{1}{4}$ -inch belt.

Type 412HT, single-groove iron pulley, $1\frac{1}{2}$ inches diameter, for $\frac{5}{8}$ -inch belt.

Type 402DT, single-groove iron pulley, $1\frac{3}{8}$ inches diameter, for $\frac{5}{8}$ -inch belt.

Type 422HA, single-groove iron pulley, 2 inches diameter, for $\frac{5}{8}$ -inch belt.

Type 522DA, crowning face iron pulley, 2 inches diameter, $1\frac{1}{2}$ -inch face.

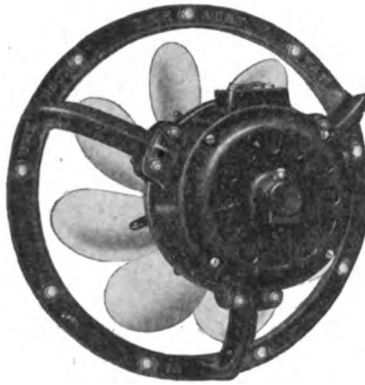
Types 632DA, 732DA, crowning face paper pulley, 3 inches diameter, 2-inch face.

Type 1034DE, crowning face paper pulley, 3 inches diameter, 3-inch face.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EMERSON DIRECT-CONNECTED EXHAUST FANS

PARKER BLADE



For Single-Phase, Alternating Current

Trade No.	Motor Type No.	Cycles	Voltage	Size of Fan Inches	H. P.	Approx. R. P. M.	Approx. Watts	Cu. Ft. Air per Min.	Velocity Ft. per Minute	APPROX. WT. POUNDS		Price Each
										Net	Pkd.	
083015	6641AB	60	110	12	$\frac{1}{15}$	1750	100	1200	1500	35	55	\$27.00
083016	7362DJ	60	110	15	$\frac{1}{8}$	1150	130	2000	1400	50	95	46.50
083017	8162AD	60	110	18	$\frac{1}{4}$	1150	280	3000	1700	95	170	73.50
083018	*6521AB	25	110	12	$\frac{1}{20}$	1450	90	1100	1400	35	55	30.00
083019	*7342DJ	25	110	15	$\frac{1}{8}$	700	120	1500	1050	50	95	51.00
083020	*8140AD	25	110	18	$\frac{1}{5}$	700	270	2500	1350	95	170	81.00
083021	*6521AB	30	110	12	$\frac{1}{15}$	1750	110	1200	1500	35	55	30.00
083022	*7342DJ	30	110	15	$\frac{1}{8}$	850	120	1600	1100	50	95	51.00
083023	*8140AD	30	110	18	$\frac{1}{4}$	850	280	2600	1400	95	170	81.00
083024	*6641AB	40	110	12	$\frac{1}{20}$	1150	85	900	1150	35	55	30.00
083025	*7342DJ	40	110	15	$\frac{1}{8}$	1150	130	2000	1400	50	95	51.00
083026	*8140AD	40	110	18	$\frac{1}{4}$	1150	280	3000	1700	95	170	81.00
083027	*6641AB	50	110	12	$\frac{1}{20}$	1450	90	1100	1400	35	55	27.00
083028	*7362DJ	50	110	15	$\frac{1}{8}$	950	120	1800	1300	50	95	46.50
083029	*8162AD	50	110	18	$\frac{1}{4}$	950	260	2700	1500	95	170	73.50
083030	*6681AB	133	110	12	$\frac{1}{15}$	1850	110	1300	1650	35	55	27.00
083031	*73122DJ	133	110	15	$\frac{1}{8}$	1250	140	2100	1500	50	95	46.50
083032	*81120AD	133	110	18	$\frac{1}{4}$	1250	310	3300	1850	95	170	73.50

Speed of alternating current fans cannot be varied.

For Direct Current

Trade No.	Motor Type No.	Voltage	Size of Fan Inches	H. P.	Approx. R. P. M.	Approx. Watts	Cu. Ft. Air per Min.	Velocity Ft. per Minute	APPROX. WT. POUNDS		Price Each
									Net	Pkd.	
083033	522AK	110	12	$\frac{1}{15}$	1700	100	1200	1500	45	85	\$27.00
083034	522AK	220	12	$\frac{1}{15}$	1700	100	1200	1500	45	85	27.00
083035	522AO	110	15	$\frac{1}{8}$	1200	130	2000	1400	50	95	40.50
083036	*522AO	220	15	$\frac{1}{8}$	1200	130	2000	1400	50	95	40.50
083037	632AD	110	18	$\frac{1}{4}$	1200	280	3000	1700	90	170	60.00
083038	632AD	220	18	$\frac{1}{4}$	1200	280	3000	1700	90	170	60.00

Price of 18-inch direct current fan includes speed regulator.

*Must be made to special order.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EMERSON DIRECT-CONNECTED EXHAUST FANS

DAVIDSON BLADE



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

For Single-Phase Alternating Current

Trade No.	Motor Type No.	Cycles	Volts	Size of Fan Inches	H. P.	Approx. Speed R. P. M.	Approx. Watts	Cu. Ft. of Air per Min.	Velocity Feet per Min.	Approx. Wt., Lbs. Net	Approx. Wt., Lbs. Pkd.	Price Each
083039	6762TP	60	110	12	$\frac{1}{15}$	1150	85	1500	1900	45	90	\$ 45.00
083040	8182AE	60	110	18	$\frac{1}{4}$	850	240	3500	2000	90	170	102.00
083041	8182AF	60	110	24	$\frac{1}{3}$	850	350	5000	1600	110	240	120.00
083042	*6642TP	25	110	12	$\frac{1}{20}$	700	70	950	1200	45	90	51.00
083043	*8140AE	25	110	18	$\frac{1}{5}$	700	230	3000	1700	95	175	114.00
083044	*8140AF	25	110	24	$\frac{1}{4}$	700	330	4200	1350	115	245	132.00
083045	*6642TP	30	110	12	$\frac{1}{20}$	850	75	1200	1500	45	90	51.00
083046	*8140AE	30	110	18	$\frac{1}{4}$	850	240	3500	2000	95	175	114.00
083047	*8140AF	30	110	24	$\frac{1}{3}$	850	350	5000	1600	115	245	132.00
083048	*6642TP	40	110	12	$\frac{1}{15}$	1150	85	1500	1900	45	90	51.00
083049	*8160AE	40	110	18	$\frac{1}{4}$	750	230	3200	1800	95	175	114.00
083050	*8160AF	40	110	24	$\frac{1}{3}$	750	340	4500	1450	115	245	132.00
083051	*6762TP	50	110	12	$\frac{1}{20}$	950	80	1300	1650	45	90	45.00
083052	*8182AE	50	110	18	$\frac{1}{4}$	700	230	3000	1700	90	170	102.00
083053	*8182AF	50	110	24	$\frac{1}{3}$	700	330	4200	1350	110	240	120.00

Speed of alternating current fans cannot be varied.

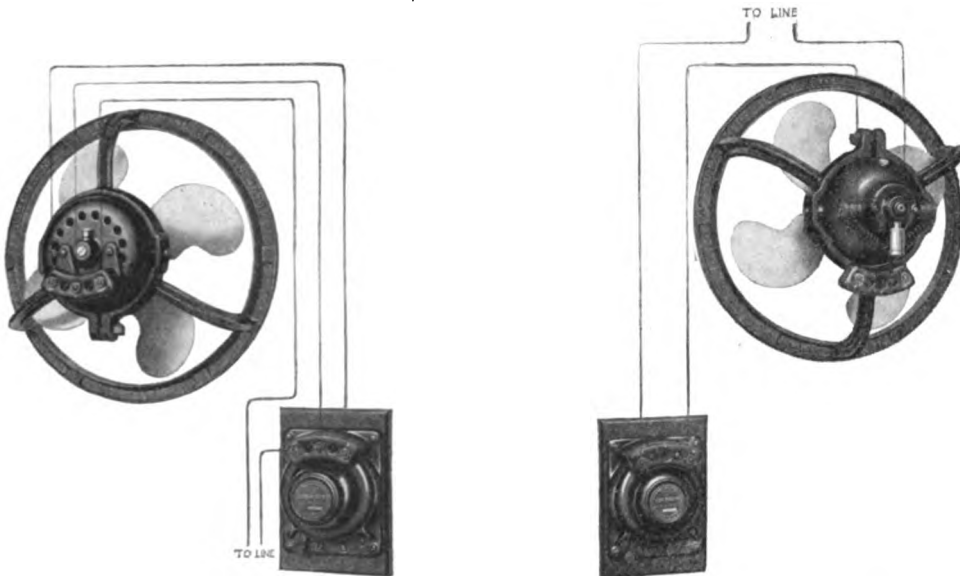
For Direct Current

Trade No.	Motor Type No.	Voltage	Size of Fan Inches	H. P.	Approx. Speed R. P. M.	Approx. Watts	Cu. Ft. of Air per Min.	Velocity Feet per Min.	Approx. Wt., Lbs. Net	Approx. Wt., Lbs. Pkd.	Price Each
083054	522AF	110	12	$\frac{1}{15}$	1200	100	1500	1900	50	95	\$45.00
083055	*522AF	220	12	$\frac{1}{15}$	1200	100	1500	1900	50	95	45.00
083056	632AG	110	18	$\frac{1}{4}$	900	220	3500	2000	100	190	90.00
083057	*632AG	220	18	$\frac{1}{4}$	900	220	3500	2000	100	190	90.00
083058	732AD	120	24	$\frac{1}{3}$	700	350	5000	1600	150	350	120.00
083059	732AD	220	24	$\frac{1}{3}$	700	350	5000	1600	150	350	120.00

*Indicates made to special order only.

Prices of 18 and 24-inch direct current fans include speed regulators.

EMERSON VENTILATING FAN MOTORS



Alternating Current Motor

Direct Current Motor

These ventilating fan motors give good results under favorable conditions, but are not designed to exhaust against wind pressure and cannot be expected to give the same service as powerful exhaust fans where conditions are unfavorable.

ALTERNATING CURRENT

For Horizontal or Vertical Discharge

Three-speed 12 and 16-inch desk fan motors with supporting rings and separate three-speed regulating switches. Equipped with compression grease cups.

Parker four-blade fans are of polished brass. All styles finished in black enamel over motors and supporting rings.

Trade No.	Mfrs. No.	Cycles	Voltage	Size Fan Inches	Watts at High Speed	Approx. Net	Wt., Lbs. Packed	Price Each
27901	22646	60	110	12	60	28	53	\$17.80
27902	*22646	60	220	12	60	28	53	19.20
27903	22648	60	110	16	90	40	72	21.20
27904	*22648	60	220	16	90	40	72	22.60

DIRECT CURRENT

For Installation with Shafts Horizontal only

Three-speed 12 and 16-inch desk fan motors with supporting rings and separate three-speed regulating switches.

Trade No.	Mfrs. No.	Voltage	Size Fan Inches	Watts at High Speed	Approx. Net	Wt., Lbs. Packed	Price Each
27896	18046	110	12	40	30	55	\$15.20
27897	18046	220	12	40	30	55	16.60
27898	18048	110	16	65	36	67	17.60
27899	18048	220	16	65	36	67	19.00

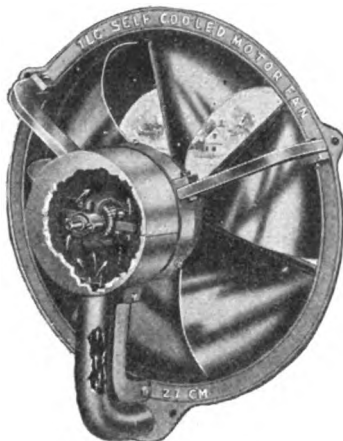
12-inch ventilating fans move approximately 800 cubic feet of air per minute; 16-inch fans, approximately 1000 cubic feet per minute.

For fans with stronger motors, fans in 18 and 24-inch sizes and fans for special frequencies not listed, see separate listing of Emerson Exhaust Fans on another page.

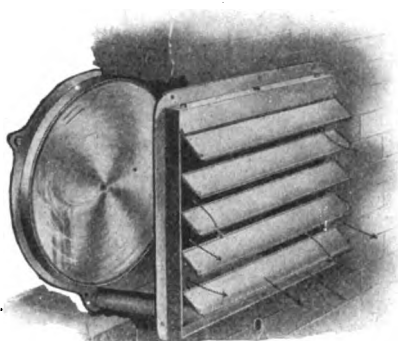
*Must be made to special order.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

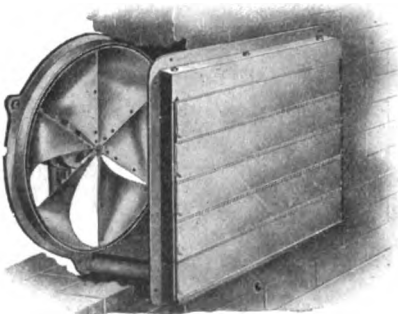
ILG SELF-COOLED MOTOR PROPELLER FANS



Showing Air Being Drawn Through Ventilating Pipe Cooling Motor



Showing Use of Automatic Shutter Fan Running



Showing Use of Automatic Shutter Fan not Running

The construction of the Ilg Fan combines strength and simplicity. The round-bodied motor fits into a cast iron ring supported by forged arms fastened to the outer ring. This makes it possible to interchange or replace motor without disturbing the alignment. Frame and motor can be installed separately, thus dividing weight.

Ventilation of the motor is accomplished by the patent method shown in the accompanying illustrations. The vacuum that is created at the axis of the motor draws a current of cool air from the outside over the motor, after which it is carried away with the general exhaust.

Oiling system of motors combines both ring oil bearings, thus eliminating possibility of back bearing running dry. This feature also permits the oiling of fan while in motion.

VERTICAL RUNNING PROPELLER FANS

Ilg Propeller Fans are built for vertical running in all types and sizes. By vertical running is meant running with shaft vertical as distinguished from standard fans built to run with shaft horizontal. Ilg Vertical Fans are furnished ordinarily without the vent pipe cooling feature because this feature is not usually adaptable on installations requiring vertical fans. If, however, the cooling feature is desired, it can be furnished without additional cost.

Notice the cost for vertical fans is obtained by adding 10 per cent to the list for direct current fans and 15 per cent for alternating current, shown on preceding page, the same discounts applying. Type A direct current fans are not furnished for vertical running.

AUTOMATIC SHUTTERS

The automatic shutter is largely employed for the protection of vent openings in connection with propeller exhaust fans and blowers. It consists of several horizontal aluminum slats, pivoted into a rigid frame, and hanging free in front of exhaust fan. The slats are so arranged that when hanging down they overlap each other, fitting closely, thus effectually preventing the ingress of sweeping winds, draughts, snow or rain. The shutter is opened with the force of air current from the fan or blower, and it shuts automatically by gravity. No attention need be given them.

Where specially ordered they are equipped with a solenoid, so that they can be wired in series with the motor operating the fan. In making application for prices, equipped with a solenoid, specify voltage and current, and whether series or shunt wound.

Trade No.	Size Inches	Weight Pounds	Price Each
53356	12	10	\$ 9.00
53357	16	12	12.00
53358	18	25	18.00
53359	20	30	20.00
53360	24	40	24.00
53361	30	50	30.00
53362	36	60	36.00
53363	42	75	42.00
53364	48	95	60.00
53365	54	125	70.00
53366	60	175	80.00

Sizes 48, 54 and 60-inch are constructed with additional central support.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ILG VENTILATING FANS

Motors are enclosed and made dustproof by means of a hood, the cover of which works on a hinge. A current of cool, clean air from outside the premises is drawn through the small tube connecting with the hood. This air is drawn over the motor, ventilating it, and is then carried away with the general exhaust.

The combined oiling device protects the self-oiling bearings against neglect or overfilling.

The motor can be removed from the frame by removing three cap screws and sliding it out of the supporting ring.

DIRECT CURRENT

Type Size	Cu. Feet of Air per Min.	Speed Free Air	Approx. Shipping Wt., Lbs.	110 Volts		220 Volts		500 Volts	
				Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
12B	1100	1400	30	127245	\$63.00	127246	\$64.00	.....	.....
16B	1600	1200	40	50371	77.00	50372	80.00	.....	.....
18A*	2530	1000	80	067209	110.00	067223	114.00	.....	.....
18B	3100	1100	95	067210	135.00	067224	140.00	.....	.....
20B	3590	900	175	067211	190.00	067225	195.00	067239	200.00
24A*	6300	800	220	067212	210.00	067226	215.00	067240	220.00
24B	7200	900	300	067213	255.00	067227	260.00	067241	270.00
30A*	9200	700	375	067214	290.00	067228	296.00	067242	310.00
30B	11000	800	360	067215	335.00	067229	342.00	067243	354.00
36A*	12500	600	395	067216	360.00	067230	368.00	067244	380.00
36B	14600	700	450	067217	408.00	067231	418.00	067245	430.00
42B	18000	500	600	067218	486.00	067232	496.00	067246	512.00
48B	23400	450	830	067219	598.00	067233	614.00	067247	630.00
54B	28500	400	1100	067220	850.00	067234	866.00	067248	884.00
60B	33600	360	1500	067221	1000.00	067235	1018.00	067249	1030.00
72B	44800	270	2230	067222	1260.00	067236	1234.00	067250	1320.00

For vertical running fans, add 10 per cent to list.

*Type A is not furnished for vertical running.

Speed controllers are furnished with all direct current fans.

ALTERNATING CURRENT—SINGLE-PHASE, 60 CYCLES

Type Size	Cu. Feet of Air per Min.	Speed 60 Cycles	Approx. Shipping Wt., Lbs.	110 Volts		220 Volts	
				Trade No.	Price Each	Trade No.	Price Each
12S	1100	1400	30	50377	\$65.00	50387	\$66.00
16S	1600	1200	50	50373	70.00	50374	74.00
18SL	2200	850	90	50378	130.00	50388	138.00
18SH	3240	1140	90	067251	130.00	067257	138.00
20SL	3300	850	130	50379	160.00	50389	164.00
20SH	4300	1140	130	067252	178.00	067258	182.00
24SL	5800	690	180	50380	210.00	50390	214.00
24SH	7000	850	180	067253	224.00	067259	228.00
30SL	7600	565	280	50381	300.00	50391	304.00
30SH	9100	690	230	067254	310.00	067260	314.00
36SL	10000	490	390	50382	400.00	50392	404.00
36SH	12000	565	390	067255	400.00	067261	404.00
42S	17800	490	520	50383	460.00	50393	464.00
48S	26200	490	610	067256	540.00	067262	540.00

Add 5 per cent to list price for 25, 30 and 40 cycles.

ALTERNATING CURRENT—POLYPHASE IN FREQUENCIES FOR 60 CYCLES

Type Size	Cu. Feet of Air per Min.	Speed 60 Cycles	Approx. Shipping Wt., Lbs.	100-200 Volts		440-550 Volts	
				Trade No.	Price Each	Trade No.	Price Each
18M	3240	1140	103	067263	\$144.00	.....	.....
20M	4500	1140	150	067264	168.00	.....	.....
24ML	5800	690	220	50384	208.00	50394	220.00
24MH	7000	850	220	067265	208.00	067274	220.00
30ML	7700	570	335	50385	284.00	50395	300.00
30MH	9000	690	335	067266	234.00	067275	300.00
36ML	10000	490	402	50386	336.00	067276	352.00
36MH	12600	570	402	067267	336.00	067277	352.00
42M	17800	490	610	067268	400.00	067278	416.00
48M	26200	490	830	067269	488.00	067279	500.00
54M	29600	420	1100	067270	690.00	067280	708.00
60M	38000	380	1500	067271	900.00	50376	920.00
72M	48000	285	2200	50375	1100.00	127244	1120.00

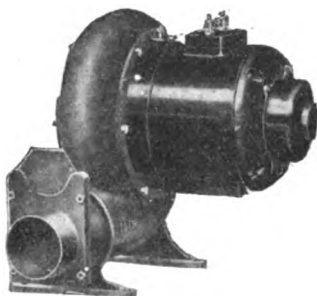
Alternating current fan can be operated only at full speed starting direct from switch.

For vertical running alternating fans, add 15 per cent to list.

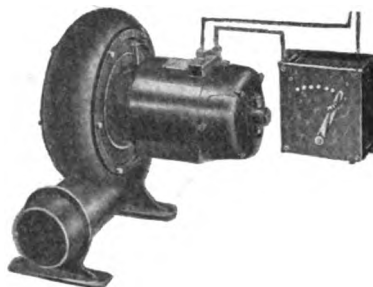
Add 5 per cent to list price for 25, 30 and 40 cycles.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EMERSON FORGE BLOWERS



Alternating Current Blower
with Blast Gate



Direct Current Blower
with Speed Regulator

ALTERNATING CURRENT

104-115 Volts, 60 Cycles

Single-phase induction motors operate at one speed only, predetermined by the character of the current and the construction of the motor; hence these blowers must be installed with blast gates in every case, whether used for blowing one or more forges. When the blast gate is closed the motors require very little power, even though operating the blower at full speed. For this reason the blast gate should be kept entirely or partially closed whenever the full blast is not needed. Attention to this practice will effect a material saving in current consumed.

Trade No.	Type No.	H. P.	Cubic Ft. Air per Minute	Pressure Ounces	No. Buffalo Blower	Approx. R. P. M.	APPROX. WATTS Open	APPROX. WATTS Closed	APPROX. WT., LBS. Net	APPROX. WT., LBS. Pkd.	Price Each
073357	6522PD	$\frac{1}{8}$	120	$1\frac{1}{2}$	1	3400	145	75	65	95	\$42.00
073358	7522GG	$\frac{1}{6}$	220	2	2	3400	300	110	80	125	63.00
073359	7522GH	$\frac{1}{8}$	300	2	3	3400	370	145	120	170	84.00

DIRECT CURRENT

With Speed Regulators for Individual Forges only

Any attempt to operate blowers of this type with blast gates is certain to end disastrously. If the full strength of the current is left on the motor while the air outlet is partially or entirely closed, the motor will speed up and cause serious damage. This company reserves the right to withdraw all guarantee if blast gates are installed with outfits of this style contrary to instructions.

Trade No.	Type No.	Voltage	H. P.	Cubic Ft. Air per Minute	Pressure Ounces	No. Buffalo Blower	Approx. R. P. M.	Approx. Watts Full Load	APPROX. WT., LBS. Net	APPROX. WT., LBS. Pkd.	Price Each
011821	522AG	110	$\frac{1}{8}$	220	2	2	3000	200	60	110	\$51.00
011822	522AG	220	$\frac{1}{8}$	220	2	2	3000	200	60	110	51.00

For Two Forges, with Blast Gates, without Speed Regulators

This outfit is designed for operating two forges with a minimum initial expense for equipment. Where the two forges are not far apart and both are in use a large proportion of the time, satisfactory results can be secured by this method, but if the two forges are so located as to necessitate a long piping system to conduct the air, or if both fires are not in fairly constant operation during working hours, a more efficient installation can be made by employing two individual blowers of the style shown above.

In operation this outfit differs radically from the individual forge style of blower. When supplying air through more than one outlet it is manifestly impracticable to regulate the delivery of air by varying the speed of the blower, and one of the blast gates furnished must be installed in the pipe leading to each forge. The motor furnished is a constant speed wound type, which will not speed up or cause injury to the outfit, even if both air outlets are entirely closed.

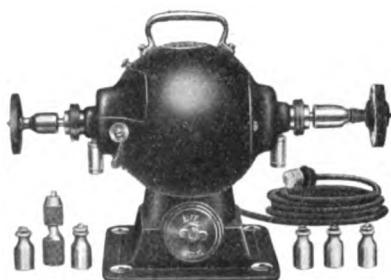
*011825	622AC	110	$\frac{1}{8}$	400	2	3	2500	325	100	145	84.00
*011826	622AC	220	$\frac{1}{8}$	400	2	3	2500	325	100	145	84.00

*Must be made to special order.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EMERSON LABORATORY LATHES

FOR ALTERNATING AND DIRECT CURRENT

LATHES WITH RITTER PATENTED CHUCKS**Direct Current Lathe**

Trade No.	Type No.	Cycles	Altera-tions	Voltage	Approx. R. P. M. (Maximum)	Approx. WATTS No. Full Load	Approx. WT., POUNDS Net	Pkd.	Price Each
083118	5322EA	60	7200	110	3550	65	165	26	38 \$44.00
083119	*5322EA	50	6000	110	2950	65	170	26	38 44.00
083120	*5142EA	133	16000	100-110	3950	70	175	26	38 44.00
083121	422EU	Direct current		110	3000	35	135	28	42 36.00
083122	*422EU	Direct current		220	3000	40	140	28	42 36.00

Specifications of alternating current lathe:

$\frac{1}{10}$ horse power enclosed motor, single speed. Shaft extended each end, ground and tapered. Eight Ritter Patented Chucks. Brush wheel and grinding wheel. Single groove iron pulley, $1\frac{1}{4}$ -inch diameter, for $\frac{1}{4}$ -inch round belt. 10-ft. cord and attachment plug. Motor finished in oxidized copper.

Specifications of direct current lathe:

$\frac{1}{10}$ horse power enclosed motor; three speeds, approximately 1500, 2200 and 3000 revolutions per minute. Shaft extended each end, ground and tapered. Eight Ritter Patented Chucks. Brush wheel and grinding wheel. Single groove iron pulley, $1\frac{1}{4}$ -inch diameter, for $\frac{1}{4}$ -inch round belt. 10-ft. cord and attachment plug. Motor finished in black enamel.

LATHES WITH VICTOR CHUCKS**Alternating Current Lathe**

083123	5322EF	60	7200	110	3550	65	165	26	38	33.00
083124	*5322EF	50	6000	110	2950	65	170	26	38	33.00
083125	*5142EF	133	16000	100-110	3950	70	175	26	38	33.00
083126	422EV	Direct current		110	3000	35	135	28	42	30.00
083127	*422EV	Direct current		220	3000	40	140	28	42	30.00

*Indicates motor must be made to special order.

Specifications of alternating current lathe:

$\frac{1}{10}$ horse power enclosed motor, single speed. Ground shaft extended and threaded each end. Two Victor Threaded Chucks. Brush wheel and grinding wheel. Single groove iron pulley, $1\frac{1}{4}$ -inch diameter, for $\frac{1}{4}$ -inch round belt. 10-ft. cord and attachment plug. Motor finished in black enamel.

Specifications of direct current lathe:

$\frac{1}{10}$ horse power enclosed motor; three speeds, approximately 1500, 2200 and 3000 revolutions per minute. Ground shaft extended and threaded each end. Two Victor Threaded Chucks. Brush wheel and grinding wheel. Single groove iron pulley, $1\frac{1}{4}$ -inch diameter, for $\frac{1}{4}$ -inch round belt. 10-ft. cord and attachment plug. Motor finished in black enamel.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COLONIAL BI-POLAR MOTORS

DIRECT CURRENT



Bi-Polar Motor



Multi-Polar Motor

(LISTED ON FOLLOWING PAGE)

Trade No.	Type No.	H. P.	SPEED, R. P. M.		Watts	Gross Shipping Wt., Lbs.	115 Volts	230 Volts
			Continuous Duty	Intermittent Duty			Price Each	Price Each
018513	C-1	$\frac{1}{80}$	1000	800	20	19	\$19.00	\$21.50
018514	C-1	$\frac{1}{25}$	1200	1000	25	19	19.00	21.50
018515	C-1	$\frac{1}{20}$	1500	1200	30	19	19.00	21.50
018516	C-1	$\frac{1}{16}$	1800	1500	35	19	19.00	21.50
018517	C-1	$\frac{1}{12}$	2000	1800	45	19	19.00	21.50
018518	C-1	$\frac{1}{10}$	2400	2000	60	19	19.00	21.50
018519	C-1	$\frac{1}{8}$	3000	2400	75	19	19.00	21.50
018520	C-1	$\frac{1}{6}$	....	3200	...	19	19.00	21.50
018521	C-2	$\frac{1}{20}$	1000	800	30	22	20.00	22.50
018522	C-2	$\frac{1}{16}$	1350	1000	35	22	20.00	22.50
018523	C-2	$\frac{1}{12}$	1800	1350	45	22	20.00	22.50
018524	C-2	$\frac{1}{10}$	2250	1800	60	22	20.00	22.50
018525	C-2	$\frac{1}{8}$	2700	2250	75	22	20.00	22.50
29909	C-2	$\frac{1}{6}$	....	2700	...	22	20.00	22.50
018526	C-3	$\frac{1}{16}$	900	700	35	25	22.25	25.00
018527	C-3	$\frac{1}{12}$	1050	900	45	25	22.25	25.00
018528	C-3	$\frac{1}{10}$	1350	1050	60	25	22.25	25.00
018529	C-3	$\frac{1}{8}$	1650	1350	75	25	22.25	25.00
018530	C-3	$\frac{1}{6}$	2400	1850	95	25	22.25	25.00
018531	C-3	$\frac{1}{4}$	....	2400	...	25	22.25	25.00
018532	C-4	$\frac{1}{12}$	900	750	45	26	30.00	32.50
018533	C-4	$\frac{1}{10}$	1150	900	60	26	30.00	32.50
018534	C-4	$\frac{1}{8}$	1350	1000	75	26	30.00	32.50
018535	C-4	$\frac{1}{6}$	1800	1350	95	26	30.00	32.50
018536	C-4	$\frac{1}{4}$	2700	2000	125	26	30.00	32.50
018537	C-6	$\frac{1}{10}$	650	500	60	78	53.00	57.00
018538	C-6	$\frac{1}{8}$	800	650	75	78	53.00	57.00
018539	C-6	$\frac{1}{6}$	1050	800	95	78	53.00	57.00
018540	C-6	$\frac{1}{4}$	1600	1050	125	78	53.00	57.00
018541	C-6	$\frac{1}{3}$	2150	1600	185	78	53.00	57.00
018542	C-6	$\frac{1}{2}$	....	2250	...	78	53.00	57.00
018543	C-7	$\frac{1}{6}$	500	400	95	101	73.00	77.00
018544	C-7	$\frac{1}{4}$	750	500	125	101	73.00	77.00
018545	C-7	$\frac{1}{3}$	1000	750	185	101	73.00	77.00
018546	C-7	$\frac{1}{2}$	1500	1000	250	101	73.00	77.00
018547	C-7	$\frac{3}{4}$	2250	1500	375	101	73.00	77.00
018548	C-7	1	....	2700	...	101	73.00	77.00
018549	C-8	$\frac{1}{6}$	325	275	95	125	86.00	90.00
018550	C-8	$\frac{1}{4}$	450	325	125	125	86.00	90.00
018551	C-8	$\frac{1}{3}$	700	450	185	125	86.00	90.00
018552	C-8	$\frac{1}{2}$	900	700	250	125	86.00	90.00
018553	C-8	$\frac{3}{4}$	1400	900	375	125	86.00	90.00
018554	C-8	1	1700	1400	560	125	86.00	90.00
018555	C-8	$1\frac{1}{2}$	....	2000	...	125	86.00	90.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

We do not furnish generators higher than 250 volts.

Additional charge for sliding base, \$1.50, list; additional for starting box, \$7.00, list. Starting box should be used on motors of $\frac{1}{4}$ horse power and over.

Generator prices do not include rheostat. Prices on motors include machine complete, with pulley for Types C-1, C-2, C-3 and C-4. On Types C-6, C-7 and C-8 price includes machine complete, with belt tightening, sub-base pulley and starting box. Above prices and ratings are for ventilated types of motors and generators; special prices will be quoted on enclosed types of motors and generators.

COLONIAL MULTI-POLAR MOTORS

DIRECT CURRENT

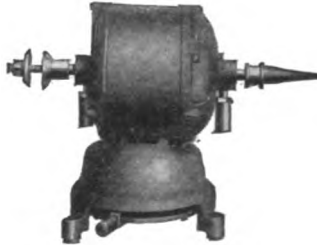


IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Trade No.	Frame No.	H. P.	SPEED, R. P. M.		Shipping Wt., Lbs.	110 Volts	220 Volts	500 Volts
			110 Volts	220 Volts		Price Each	Price Each	Price Each
015828	M- 2	$\frac{1}{4}$	1000	....	90	\$67.00	\$69.00	.....
015829	M- 3	$\frac{1}{4}$	450	500	145	92.00	98.00	.....
015830	M- 4	$\frac{1}{4}$	250	275	185	118.00	123.00	128.00
015831	M- 2	$\frac{1}{2}$	1800	....	90	67.00	69.00	.....
015832	M- 3	$\frac{1}{2}$	900	1000	145	92.00	98.00	100.00
015833	M- 4	$\frac{1}{2}$	450	500	185	118.00	123.00	128.00
015834	M-44	$\frac{1}{2}$	300	330	285	140.00	144.00	152.00
015835	M- 3	$\frac{3}{4}$	1400	1550	145	92.00	98.00	100.00
015836	M- 4	$\frac{3}{4}$	650	720	185	118.00	123.00	128.00
015837	M-44	$\frac{3}{4}$	450	500	285	140.00	144.00	152.00
015838	M- 3	1	1700	1870	145	92.00	98.00	100.00
015839	M- 4	1	900	1400	185	118.00	123.00	128.00
015840	M- 4	1	900	1000	185	118.00	123.00	128.00
015841	M-44	1	600	660	285	140.00	144.00	152.00
015842	M- 4	$1\frac{1}{2}$	1400	1550	185	118.00	123.00	128.00
015843	M-44	$1\frac{1}{2}$	900	1000	285	140.00	144.00	152.00
015844	M-45	$1\frac{1}{2}$	600	660	375	186.00	188.00	195.00
015845	M- 4	2	1700	1870	185	118.00	123.00	128.00
015846	M-44	2	1200	1320	285	140.00	144.00	152.00
015847	M-45	2	800	880	375	186.00	188.00	195.00
015848	M- 5	2	650	720	570	230.00	230.00	245.00
015849	M-44	3	1800	1980	285	140.00	144.00	152.00
015850	M-45	3	1050	1100	375	186.00	188.00	195.00
015851	M- 5	$3\frac{1}{2}$	900	1000	570	230.00	230.00	245.00
015852	M-56	3	650	720	605	255.00	255.00	270.00
015853	M-45	5	1500	1650	375	186.00	188.00	195.00
015854	M- 5	5	1200	1320	570	230.00	230.00	245.00
015855	M-56	5	1000	1100	605	255.00	255.00	270.00
015856	M- 6	5	750	825	750	323.00	323.00	330.00
015857	M-67	5	550	600	810	360.00	360.00	380.00
015858	M-56	$7\frac{1}{2}$	1500	1650	605	255.00	255.00	270.00
015859	M- 6	$7\frac{1}{2}$	1000	1100	750	323.00	323.00	330.00
015860	M-67	$7\frac{1}{2}$	750	825	810	360.00	360.00	380.00
015861	M-78	$7\frac{1}{2}$	600	660	1100	460.00	460.00	480.00
015862	M- 6	10	1200	1320	750	323.00	323.00	330.00
015863	M-67	10	1000	1100	810	360.00	360.00	380.00
015864	M-78	10	800	880	1100	460.00	460.00	480.00
015865	M- 8	10	600	660	1500	560.00	560.00	560.00
015866	M- 7	15	1300	1430	1050	416.00	416.00	436.00
015867	M-78	15	1000	1100	1100	460.00	460.00	480.00
015868	M- 8	15	850	940	1500	560.00	560.00	560.00
015869	M-89	15	650	720	1550	660.00	660.00	660.00
015870	M-78	20	1200	1320	1100	460.00	460.00	480.00
015871	M- 8	20	1000	1100	1500	560.00	560.00	560.00
015872	M-89	20	800	880	1550	660.00	660.00	660.00
015873	M-10	20	500	550	1900	800.00	800.00	800.00
015874	M- 8	25	1200	1320	1500	560.00	560.00	560.00
015875	M-89	25	1000	1100	1550	660.00	660.00	660.00
015876	M-10	25	700	770	1900	800.00	800.00	800.00
015877	M- 9	30	1050	1100	1850	760.00	760.00	760.00
015878	M-10	30	800	880	1900	800.00	800.00	800.00

COLONIAL MOTORS

DIRECT CURRENT



Type C Buffing Motor

TYPE C BUFFING MOTORS

Motors are fully enclosed, mounted on base containing speed controller, but controller does not have no-voltage release. Each outfit comprises one buffing and one grinding arbor (detachable) for all machines to Type C-6, inclusive. On Types C-7 and C-8 the motor shaft is extended at each end and fitted with clamping washers and locknuts to fasten buffing or grinding wheels. We do not furnish any wheel.

Trade No.	Type No.	H. P.	Speeds R. P. M.	Weight Pounds	110 Volts Price Each	220 Volts Price Each
018556	C-2	$1\frac{1}{2}$	2000-4000	23	\$37.00	\$39.50
018557	C-3	$1\frac{1}{2}$	2000-4000	26	39.25	42.00
018558	C-4	$1\frac{1}{2}$	2000-4000	35	47.00	49.50
018559	C-6	$1\frac{1}{4}$	2000-3000	79	73.50	77.50
018560	C-7	$1\frac{1}{2}$	2000-3000	115	92.00	96.00
018561	C-8	1	2000-3000	125	105.00	109.00

VERTICAL MOTORS

Where vertical shafting is to be driven, we can furnish motors with vertical shaft and special bearings which insure perfect lubrication without allowing oil to get down on the windings of the motor.

Trade No.	Frame No.	Price Each	Trade No.	Frame No.	Price Each
015987	M- 2	\$38.00	015995	M-67	\$135.00
015988	M- 3	38.00	015996	M- 7	160.00
015989	M- 4	48.00	015997	M-78	160.00
015990	M-44	66.00	015998	M- 8	200.00
015991	M-45	80.00	015999	M-89	200.00
015992	M- 5	100.00	016000	M- 9	250.00
015993	M-56	100.00	016001	M-10	250.00
015994	M- 6	135.00	.....	.....	.....

The above prices are to be added to list price of standard motor to give price of vertical motor with tripod base.

BACK-GEARED MOTORS

Where extra slow speed on the drive pulley is required, we can furnish back-geared motors with a speed ratio of 5 to 1 between armature and back-gear shaft.

020146	M- 2	34.00	020154	M-67	105.00
020147	M- 3	34.00	020155	M- 7	135.00
020148	M- 4	48.00	020156	M-78	135.00
020149	M-44	54.00	020157	M- 8	185.00
020150	M-45	75.00	020158	M-89	185.00
020151	M- 5	87.00	020159	M- 9	200.00
020152	M-56	87.00	020160	M-10	200.00
020153	M- 6	105.00	.....	.....	.....

The above prices are to be added to price of standard motors to give price with back-gear attachment.

Price includes cut gear, rawhide pinion, bracket and shaft.
Pulley not included in price.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COLONIAL GENERATORS

DIRECT CURRENT

MULTI-POLAR GENERATORS

Trade No.	Frame No.	Watts	Capacity Lamps	Speed	Shipping Wt., Lbs.	110 Volts Price Each	250 Volts Price Each	500 Volts Price Each
015948	M- 2	400	8	2000	75	\$ 81.00	\$ 81.00	.....
015949	M- 3	400	8	1100	145	107.00	107.00	.....
015950	M- 4	400	8	675	185	120.00	125.00	.....
015951	M- 3	600	12	1600	145	107.00	107.00	.....
015952	M- 4	600	12	900	185	120.00	125.00	.....
015953	M-44	600	12	650	285	148.00	152.00	.....
015954	M- 3	750	15	2000	145	107.00	107.00	.....
015955	M- 4	750	15	1100	185	120.00	125.00	.....
015956	M-44	750	15	700	285	148.00	152.00	.....
015957	M- 4	1000	20	1400	185	120.00	125.00	.....
015958	M-44	1000	20	900	285	148.00	152.00	.....
015959	M-45	1000	20	500	375	186.00	188.00	.....
015960	M- 4	1500	30	1700	185	120.00	125.00	.....
015961	M-44	1500	30	1200	285	148.00	152.00	.....
015962	M-45	1530	30	800	375	186.00	188.00	.....
015963	M- 5	1500	30	600	570	230.00	230.00	250.00
015964	M-44	2000	40	1500	285	148.00	152.00	.....
015965	M-45	2000	40	1000	375	186.00	188.00	.....
015966	M-45	2500	50	1250	375	186.00	188.00	.....
015967	M- 5	2500	50	800	570	230.00	230.00	250.00
015968	M-67	2500	50	450	810	356.00	356.00	376.00
015969	M- 5	5000	100	1500	570	230.00	230.00	250.00
015970	M- 6	5000	100	900	760	320.00	320.00	330.00
015971	M-67	5000	100	650	810	356.00	356.00	376.00
015972	M- 7	5000	100	500	1050	400.00	400.00	430.00
015973	M- 6	7500	150	1200	760	320.00	320.00	330.00
015974	M-67	7500	150	1000	810	356.00	356.00	376.00
015975	M-78	7500	150	750	1100	450.00	450.00	470.00
015976	M-78	10000	200	1000	1100	450.00	450.00	470.00
015977	M-89	10000	200	500	1550	650.00	650.00	650.00
015978	M-78	15000	300	1200	1100	450.00	450.00	470.00
015979	M- 8	15000	300	1000	1500	545.00	545.00	545.00
015980	M-89	15000	300	800	1550	650.00	650.00	650.00
015981	M-10	15000	300	550	1900	820.00	820.00	820.00
015982	M-89	20000	400	1000	1550	650.00	650.00	650.00
015983	M-10	20000	400	650	1900	820.00	820.00	820.00
015984	M-89	25000	500	....	1550	650.00	650.00	650.00
015985	M-10	25000	500	840	1900	820.00	820.00	820.00
015986	M-10	30000	600	1000	1900	820.00	820.00	820.00

The above prices include compound wound generator, pulley, sub-base and field regulator for mounting on face of switchboard. If rear regulator is wanted, add \$8.00 to above prices.

MOTOR-GENERATORS

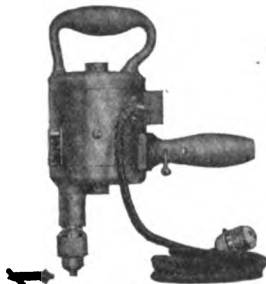
The motors and generators are mounted on heavy iron base and the armatures are connected by direct coupling. Starting boxes and field rheostats are furnished with each set.

Trade No.	Motor Frame No.	Generator Frame No.	Watts	R. P. M.	110 Volts Price Each	220 Volts Price Each	500 Volts Price Each
059812	.....	M- 3	400	1100	\$276.00	\$281.00	\$288.00
059813	M-44	M- 3	750	1200	327.00	332.00	349.00
059814	M-45	M-44	1000	800	412.00	418.00	433.00
059815	M-44	M- 4	1500	1800	327.00	332.00	349.00
059816	M-45	M-44	2000	1500	412.00	418.00	433.00
059817	M- 5	M-45	2500	1200	519.00	521.00	543.00
059818	M- 6	M- 5	5000	1500	697.00	697.00	706.00
059819	M- 7	M- 6	7500	1300	891.00	891.00	921.00
059820	M- 9	M-78	10000	1000	1290.00	1290.00	1310.00
059821	M- 9	M- 8	15000	1000	1385.00	1385.00	1385.00
059822	M-10	M- 9	20000	1000	1590.00	1590.00	1590.00

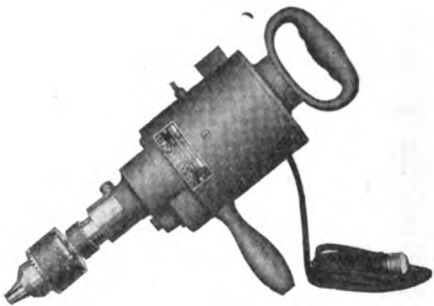
In ordering, be sure and specify motor voltage and also generator voltage. Motor-generators are furnished for any voltage from 50 to 550 volts on the generator end, the motor operating at either of the standard direct current voltages—110, 220 or 500 volts.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WILLEY ELECTRICALLY-DRIVEN TOOLS



No. 0



No. 3

PORTABLE DRILLS

Direct Current, Fan-cooled

For drilling holes in castings and metals for all kinds. No. 3 drill has two speeds; the slow speed for drills larger than 3/8-inch, and high speed for drills 3/8-inch and smaller.

No. 4 single-speed is fitted with No. 2 Morse taper instead of chuck; No. 4 two-speed, with No. 3 Morse taper.



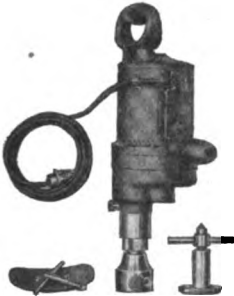
No. 1U

Trade No.	Mfrs. No.	CAPACITY INCHES		Size of Chuck Inches	Speed R. P. M.	H. P.	Wt. Lbs.	Price Each
		Metal	Wood					
53962	0	1/4	3/8	1/4	1000	1/10	6 1/2	\$ 80.00
53957	1	3/8	1/2	3/8	800	1/4	10	100.00
53958	2	1/2	3/4	1/2	500	1/3	19	120.00
53959	3	3/4	1	1/2	350 & 900	1/2	21	140.00
53963	4	1	1 1/4	....	460	3/4	33	160.00
53966	4	1	1 1/4	....	250 & 460	3/4	36	180.00

Wound for either 110 or 220 volts, direct current.

Alternating and Direct Current

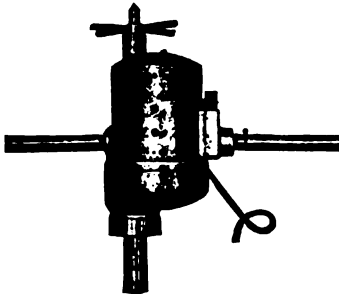
These drills are fitted with a universal motor and will therefore operate on any single-phase circuit, 60 cycles or less, as well as on direct current of the same voltage. Fan-cooled. Complete, as shown, except screw feed attachment, which is supplied at a slight additional cost. Handles removable.



No. 3U

No. 3U is the same as No. 2U except that it is provided with two speeds. For drilling larger holes than 3/8-inch the drill bit must run at a slower speed than when drilling 3/8-inch and smaller.

No. 4U, single-speed, is fitted with No. 2 Morse taper instead of chuck; No 4U, two-speed, fitted with No. 3 Morse taper. Speeds given are those of drill spindle when drilling to a maximum capacity; as the size of holes is decreased, the speed is increased.



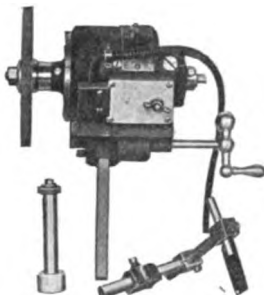
No. 4U

Trade No.	Mfrs. No.	CAPACITY INCHES		Size of Chuck Inches	Speed R. P. M.	Wt. Lbs.	Price Each
		Metal	Wood				
53964	1U	1/4	5/8	1/4	1000	7	\$ 80.00
53967	1 1/2 U	3/8	1/2	3/8	800	9 1/4	100.00
53960	2U	1/2	5/8	1/2	500	15	120.00
53961	3U	5/8	3/4	1/2	350 & 900	17	140.00
53965	4U	3/4	1	..	460	30	160.00
53968	4U	3/4	1	..	340 & 600	33	180.00

Wound for either 110 or 220 volts.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WILLEY ELECTRICALLY-DRIVEN TOOLS



CENTER GRINDERS, WITH HAND FEED

These machines have been designed specially for grinding lathe centers. They are entirely self-contained, and have no loose parts to get lost or misplaced. Complete, as shown, with wheel and internal grinding attachment. Larger or smaller wheels can be used.

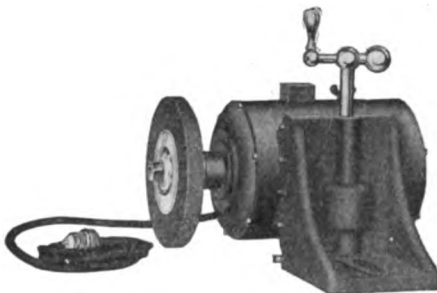
When used for other than cutter grinding, the clamp for holding adjustment arm can be removed. The wheel end bearings are all made taper with adjustment for taking up wear. Made in three sizes. Shank removable.

Trade No.	Mfr. No.	Traverse of Wheel Inches	Size of Wheel	Size of Shank Inches	Wt. Lbs.	H. P. of Motor	Speed R. P. M.	PRICE, EACH		
								Direct Current	2 or 3-phase	Universal
53976	1	3	5x $\frac{3}{8}$ x $\frac{3}{4}$ -in. hole	$\frac{1}{2}$ x1	15	$\frac{1}{4}$	4500	\$ 90.00	.....	\$100.00
53977	1½	3	6x $\frac{1}{2}$ x $\frac{3}{4}$ -in. hole	$\frac{5}{8}$ x1¼	27	$\frac{1}{2}$	3600	110.00	.....	120.00
53978	2	5	8x1x $\frac{7}{8}$ -in. hole	$\frac{7}{8}$ x1½	57	$\frac{3}{4}$	2400	140.00	150.00	.....

Wound for either 110 or 220 volts, direct or alternating current, 60 cycles.

These grinders can also be furnished without hand feed, at a reduction in price.

Speeds given are for direct current.



GRINDERS FOR LATHE CARRIAGE OR TOOL POST

With Vertical or Horizontal Adjustment

These grinders are the same as the center grinders, listed above, but are designed for heavier work. They can be used for grinding flat or round surfaces. May be bolted either to the tool post or carriage of a lathe, planer or shaper. Motor completely enclosed from dirt. Furnished with either vertical or horizontal

feed, or with pad for tool post or lathe carriage. Speeds are for direct current.

Trade No.	Mfr. No.	SIZE OF WHEEL		Traverse of Wheel Inches	Wt. Lbs.	H. P.	Speed R. P. M.	PRICE, EACH		
		Internal Grinding	External Grinding					Direct Current	2 or 3-phase	Universal
53980	1	4x $\frac{3}{4}$ x $\frac{7}{8}$ -in. hole	8x $\frac{3}{4}$ x $\frac{7}{8}$ -in. hole	4½	50	½	2400	\$140.00	\$150.00	
53981	2	4x1x $\frac{7}{8}$ -in. hole	10x1x $\frac{7}{8}$ -in. hole	5½	75	1	2000	180.00	190.00	
53989	3	4x1½x $\frac{7}{8}$ -in. hole	12x1½x $\frac{7}{8}$ -in. hole	5½	90	2	1800	250.00	260.00	

Wound for either 110 or 220 volts, direct, and two or three-phase, alternating current, 60 cycles.

These grinders are made in larger sizes, also with 12 and 20-inch extended shaft. Prices on application.



HAND GRINDERS AND BUFFERS

These portable machines are adapted not only for grinding, but also for buffing, polishing, sanding or smoothing down castings; different wheels being required for different classes of work. Can be carried from place to place, and are ready for use when plug is fitted to lamp socket. Operators can stop and start these tools

instantaneously. The motor is air cooled. Furnished with wheel, as shown.

Trade No.	Size of Wheel	DIMENSIONS, INCHES		Wt. Lbs.	H. P.	Speed R. P. M.	PRICE, EACH		
		Machine	Motor				Direct Current	Universal	
53979	6x $\frac{3}{8}$ x $\frac{1}{2}$ -in. hole	4½x4½x17	4½x7¼	15	½	3600	\$90.00	\$100.00	

Wound for either 110 or 220 volts, direct or alternating current, 60 cycles.

Made in larger sizes, also with 12 and 20-inch extension arms. Prices on application.

NOTE.—Speeds of all the above grinders vary somewhat from those given, according to voltage and kind of current.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EMERSON DESK AND OSCILLATING FANS

ALTERNATING CURRENT

THREE-SPEED SWIVEL TRUNNION TYPE

9-inch
Swivel Trunnion Type

Trade No.	Mfrs. No.	Cycles	Voltage	SPEED, R. P. M.			APPROX. WT.		Price Each
				High	Med.	Low	Net	Pkd.	
126985	19645	60	110	1550	1350	1150	12	20	\$12.00
126986	19545	50	110	1300	1150	950	12	20	12.00

12-inch Desk Fans

081953	19646	60	110	1550	1350	1150	18	33	16.80
081955	19346	30	110	1550	1350	1150	18	33	18.80
081956	19546	50	110	1300	1150	950	18	33	16.80
081957	19946	133	100	1800	1600	1400	24	36	16.80

12-inch
Swivel Trunnion Type

12-inch Residence Type Desk Fans

081958	19666	60	110	1075	925	750	25	38	17.40
126987	19266	25	110	1175	1000	800	25	38	16.80
081959	19466	40	110	1075	925	750	25	38	18.80
081960	19566	50	110	900	750	600	25	38	17.40

16-inch Desk Fans

081961	19648	60	110	1675	1400	1150	28	45	20.20
081962	19248	25	110	1300	1100	900	28	45	20.20
081963	19348	30	110	1675	1450	1200	28	45	22.20
081964	19448	40	110	1100	900	750	28	45	21.60
081965	19548	50	110	1350	1100	900	28	45	20.20

THREE-SPEED OSCILLATING TYPE

9-inch Oscillating Fans

126988	21645	60	110	1550	1350	1150	13½	22	17.40
126990	21545	50	110	1300	1150	1000	13½	22	17.40

12-inch Oscillating Fans

081967	21646	60	110	1550	1400	1250	22	38	21.80
081969	21346	30	110	1550	1400	1250	22	38	23.80
081970	21546	50	110	1300	1150	1000	22	38	21.80
081971	21946	133	100	1800	1650	1450	28	45	21.80

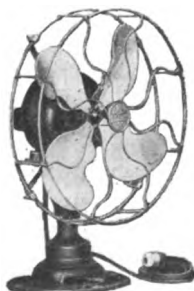
12-inch Residence Type Oscillating Fans

081972	21666	60	110	1075	900	800	28	45	22.40
126989	21266	25	110	1175	1000	800	28	45	21.80
081973	21466	40	110	1075	900	800	28	45	23.80
081974	21566	50	110	900	800	650	28	45	22.40

12-inch
Swivel Trunnion
Residence Type

16-inch Oscillating Fans

081975	21648	60	110	1650	1450	1250	30	53	26.20
081976	21248	25	110	1350	1150	950	30	53	26.20
081977	21348	30	110	1650	1450	1250	30	53	28.20
081978	21448	40	110	1100	950	800	30	53	27.60
081979	21548	50	110	1350	1150	950	30	53	26.20
081980	21948	133	100	1750	1550	1400	30	53	26.20

12-inch
Oscillating Type

Prices include swivel plug and 10-foot cord attached to motor.

9-inch and 12-inch residence type fans are not made for high frequency.

Fan blades of polished brass, with heavy double-ring brass guard, dipped and lacquered. Motor body and base finished in polished black enamel.

All of the above types are equipped with Parker Patented Blades and Emerson Hardened Steel Shaft and oil-tight dustproof bearings.

All desk and oscillating fans readily convertible into bracket fans without extra parts.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EMERSON DESK AND OSCILLATING FANS

DIRECT CURRENT

THREE-SPEED SWIVEL TRUNNION TYPE

8-inch Desk Fans

Trade No.	Mfrs. No.	Voltage	SPEED, R. P. M.			APPROX. WT., LBS.		Price Each
			High	Med.	Low	Net	Pkd.	
127001	19044	32	1700	1200	800	8	13	\$12.00
081981	19044	110	1700	1200	800	8	13	10.60

12-inch Desk Fans

081982	19046	110	1600	1200	800	20	34	14.20
081983	19046	220	1600	1200	800	20	34	15.60

12-inch Residence Type Desk Fans

081984	19066	110	1200	900	600	20	34	14.80
081985	19066	220	1200	900	600	20	34	16.20

16-inch Desk Fans

081986	19048	110	1600	1200	800	23	42	16.60
081987	19048	220	1600	1200	800	23	42	18.00

THREE-SPEED OSCILLATING TYPE

9-inch Oscillating Fans

127002	23045	32	1600	1300	1000	10½	19	17.60
127003	23045	110	1600	1300	1000	10½	19	16.20

12-inch Oscillating Fans

127004	23046	32	1600	1200	800	23	47	20.60
081988	23046	110	1600	1200	800	23	47	19.20
081989	23046	220	1600	1200	800	23	47	20.60

12-inch Residence Type Oscillating Fans

081990	23066	110	1200	900	600	23	47	19.80
081991	23066	220	1200	900	600	23	47	21.20

16-inch Oscillating Fans

081992	23048	110	1600	1200	800	24	53	22.60
081993	23048	220	1600	1200	800	24	53	24.00

Prices include swivel plug and ten-foot cord attached to motor.

8 and 9-inch fans not made for voltages higher than 125 volts; other types not made for voltages higher than 250 volts.

Parker Fan of brass, polished; heavy double-ring brass guard, dipped and lacquered. Motor body and base finished in polished black enamel.

Fully enclosed motors with solid cast casing protecting all working parts; field poles cast integral with casing.

All desk and oscillating fans readily convertible into bracket fans without extra parts.



8-inch
Swivel Trunnion Type



12-inch
Swivel Trunnion Type



12-inch
Oscillating Type



Residence
Oscillating Type

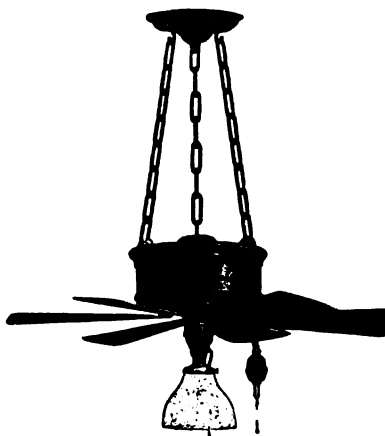
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EMERSON ORNAMENTAL TYPE CEILING FANS

ALTERNATING CURRENT



No. 38641



No. 39661

No. 38641 ONE-LIGHT ELECTROLIER FANS

Equipped with pull socket and designed to be hung comparatively high with one high power lamp on motor. Socket is wired for lamp to be operated separate from motor.

The chain suspension is entirely new in its application to ceiling fans. Chains furnished are of length to hold tip of lamp $3\frac{1}{2}$ feet from ceiling. Three-speed control for motor is provided through pull switch shown, cord from switch and chain from socket extending two feet below lamp. This motor is the powerful ornamental type, richly finished in light mat brass to match brush brass, over motor body, chains and all trimmings. These fans have four 52-inch sweep blades, mahogany finish.

Trade No.	Mfrs. No.	Cycles	Voltage	APPROX. SPEED, R. P. M.			APPROX. WEIGHT, LBS.		Price Each
				High	Medium	Low	One Fan Net	Two Fans Packed	
127051	38641	60	110	225	170	125	65	185	\$36.00

Hook regularly supplied for wood ceiling; hook to fit conduit furnished without extra charge.

No. 41641, WITH CHAIN SUSPENSION BUT WITHOUT LIGHT

No. 41641 is a 4-blade, 3-speed ornamental fan in light mat brass finish, to match brush brass, and is identical with No. 38641, with the exception that no socket is supplied and pull switch for controlling three speeds of motor is mounted below motor, where socket is shown on the illustration of No. 38641.

Any style electrolier parts may be used with No. 41641, lights being controlled from pull sockets or from wall switch.

Trade No.	Mfrs. No.	Cycles	Voltage	APPROX. SPEED, R. P. M.			APPROX. WEIGHT, LBS.		Price Each
				High	Medium	Low	One Fan Net	Two Fans Packed	
127052	41641	60	110	225	170	125	65	185	\$35.00

Hook regularly supplied for wood ceiling; hook to fit conduit furnished without extra charge.

No. 39661 ONE-LIGHT ELECTROLIER FANS

This type has six 32-inch sweep blades and in operating qualities is identical with fan No. 33661 listed on another page; however, it is provided with pull socket below motor and pull switch to control the three speeds of the fan.

This type is supplied with 3-point chain suspension of length to hold bottom of light $3\frac{1}{2}$ feet from ceiling. Extra length chain may be readily secured.

Motor, all trimmings and suspensions are finished in light mat brass, to match brush brass; the six wood blades are in hand-rubbed mahogany finish.

If desired these fans may be installed with light controlled from wall switch. This type is especially suitable for hotel bedrooms, etc.

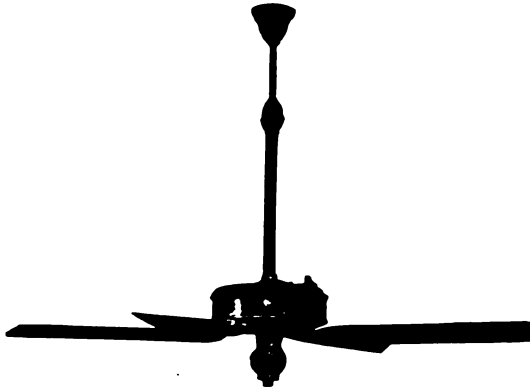
Trade No.	Mfrs. No.	Cycles	Voltage	APPROX. SPEED, R. P. M.			APPROX. WEIGHT, LBS.		Price Each
				High	Medium	Low	One Fan Net	Two Fans Packed	
127053	39661	60	110	325	280	190	55	85	\$31.00

Ceiling plate regularly supplied with hook for wood ceiling; hook furnished to fit conduit without extra charge.

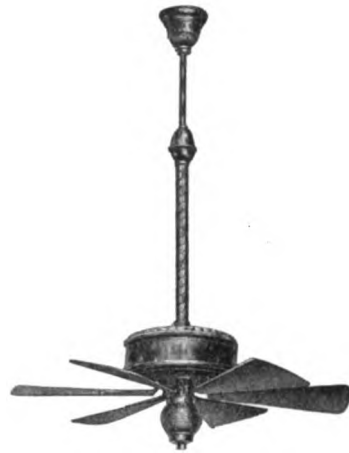
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EMERSON ORNAMENTAL TYPE CEILING FANS

ALTERNATING CURRENT



No. 32641



No. 33661

FOUR-BLADE CEILING FANS

Motor, hanger and trimmings finished in oxidized copper; mahogany finish, hand rubbed, seasoned wood blades, 52-inch sweep. Furnished complete, with hanger, blades, hook and canopy. The hanger number indicates maximum height of ceiling in feet.

Trade No.	Mfrs. No.	Cycles	Voltage	Hanger	APPROX. SPEED, R.P.M.			APPROX. WT., LBS.		Price Each
					High	Medium	Low	One Fan Net	Two Fans Packed	
081364	32641	60	110	No. 12 adjustable	225	170	125	65	185	\$33.00
081365	32641	60	110	No. 8½ solid	225	170	125	65	185	33.00
081366	32641	60	110	No. 9 solid	225	170	125	65	185	33.00
081367	32641	60	110	No. 10 adjustable	225	170	125	65	185	33.00
081368	32641	60	110	No. 15 adjustable	225	170	125	68	200	35.00
081369	32641	60	110	No. 18 adjustable	225	170	125	70	205	37.00

SIX-BLADE CEILING FANS

This ornamental type has six mahogany finish wood blades with a sweep of only 32 inches. It is designed for small rooms, passages, doorways, entries and such places where it proves entirely satisfactory. This type is finished in oxidized copper over motor, hanger and trimmings. It is furnished regularly with adjustable pipe hanger for ceilings 10½ to 12 feet high. Any style electrolier arms may be used with this type.

Trade No.	Mfrs. No.	Cycles	Voltage	Hanger	APPROX. SPEED, R.P.M.			APPROX. WT., LBS.		Price Each
					High	Medium	Low	One Fan Net	Two Fans Packed	
127017	33661	60	110	No. 12 adjustable	325	280	190	55	85	\$28.00
127018	33661	60	110	Special No. 8½ solid	325	280	190	55	85	28.00
127019	33661	60	110	Special No. 9 solid	325	280	190	55	85	28.00
127020	33661	60	110	Special No. 10 adjust.	325	280	190	55	85	28.00
127021	33661	60	110	Special No. 15 adjust.	325	280	190	58	90	30.00
127022	33661	60	110	Special No. 18 adjust.	325	280	190	60	95	32.00

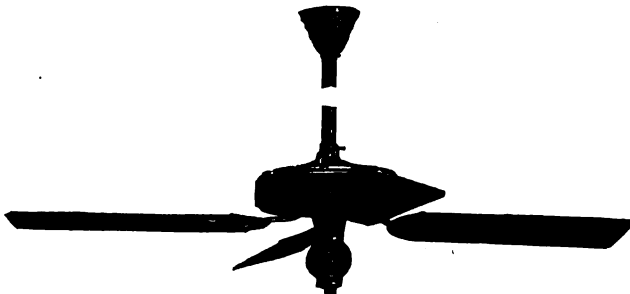
Two four or six-blade fans are regularly put up in one package, complete with blades and No. 12 hangers.

Unless otherwise specified, above fans will be sent with No. 12 adjustable hangers, holding switch approximately 7½ feet from floor on a 12-foot ceiling.

All fans wired for lights. Electrolier arms or nipples can be supplied.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EMERSON PLAIN TYPE CEILING FANS
ALTERNATING CURRENT
FOUR-BLADE CEILING FANS

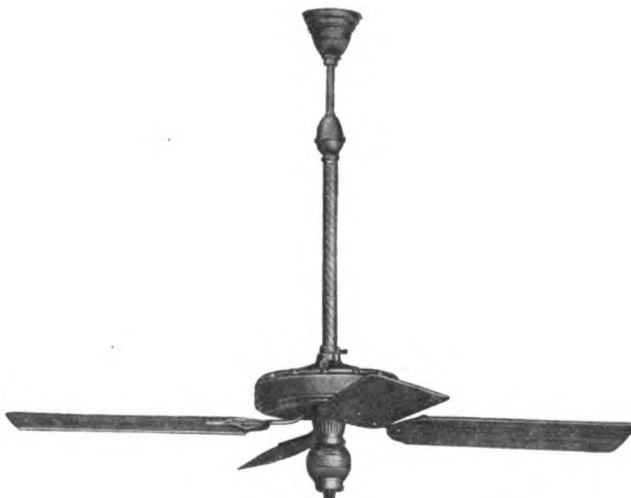


These ceiling fans have a motor of the same power and with the same operating qualities as the ornamental type 4-blade types, but of plainer design and finish. This style meets the demand for a powerful wide-sweep fan with excellent speed regulation (3 speeds) but with some saving in first cost.

The motor body is finished in durable black enamel; trimmings in oxidized copper; 52-inch sweep blades of best quality with hand-rubbed mahogany finish. Hanger pipes are not regularly supplied with this style but may be cut from 3/4-inch black pipe. Switch extension handle and any style electrolier arms may be used with these fans.

Trade No.	Mfrs. No.	Cycles	Voltage	APPROX. SPEED, R. P. M.			APPROX. WEIGHT, LBS.		Price Each
				High	Medium	Low	One Fan Net	Two Fans Packed	
127035	36641	60	110	225	170	125	55	165	\$30.00
127036	36541	50	110	190	150	110	55	165	30.00

Complete with hanger eye, ceiling hook and canopy, but without hanger rod.



This type is identical with the plain type fan listed above except for finish and hanger equipment. This plain type fan is finished in light mat brass, to match brush brass, over motor body, hanger and all trimmings. Brush brass finish electrolier arms of any style, also switch extension handle may be used with this type.

The Emerson Adjustable Pipe Hanger for ceilings 10½ to 12 feet high is regularly supplied with this style. Blades are 52-inch sweep, in a fine mahogany finish.

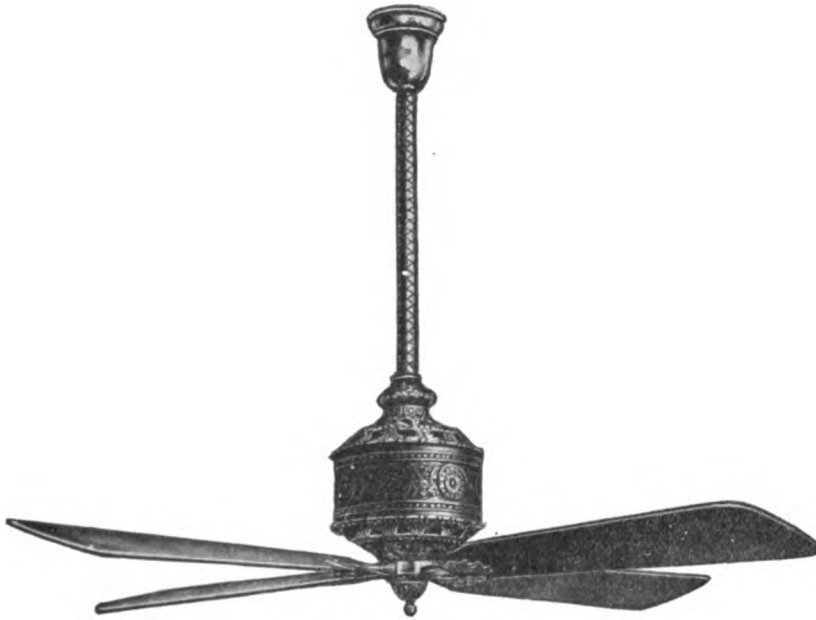
Trade No.	Mfrs. No.	Cycles	Voltage	Hanger	APPROX. SPEED, R. P. M.			APPROX. WEIGHT, LBS.		Price Each
					High	Medium	Low	One Fan Net	Two Fans Packed	
127037	37641	60	110	No. 12 adjust.	225	170	125	60	175	\$32.00
127038	37641	60	110	No. 8½ solid	225	170	125	60	175	32.00
127039	37641	60	110	No. 9 solid	225	170	125	60	175	32.00
127040	37641	60	110	No. 10 adjust.	225	170	125	60	175	32.00
127041	37641	60	110	No. 15 adjust.	225	170	125	63	190	34.00
127042	37641	60	110	No. 18 adjust.	225	170	125	65	195	36.00

Complete with ceiling hook, canopy and hanger.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COLONIAL CEILING FANS

DIRECT CURRENT



Type RR1

FOUR-BLADE, 56-INCH SWEEP

Trade No.	Mfrs. No.	Voltage	High	SPEED, R. P. M. Medium	Low	Shipping Wt., Lbs.	Price Each
015800	RR1	110	220	170	110	100	\$56.00
015801	RR1	170	220	...	...	100	60.00
015802	RR1	220	220	170	110	100	60.00
015803	RR1	250	220	170	110	100	60.00
015804	RR1	500	220	...	...	100	76.00
015805	RR2	110	220	170	110	105	64.00
015806	RR2	170	220	...	...	105	68.00
015807	RR2	220	220	170	110	105	68.00
015808	RR2	250	220	170	110	105	68.00
015809	RR2	500	220	...	...	105	84.00

Finished either in brushed brass or oxidized copper; in ordering, specify which finish is desired.

Above prices include canopy, ceiling hooks and hanger and stem suitable for a 12-foot ceiling. For extra lengths, add \$1.50 a foot to above prices.

One-speed fans are furnished for \$2.00 less than the above prices on three-speed fans.

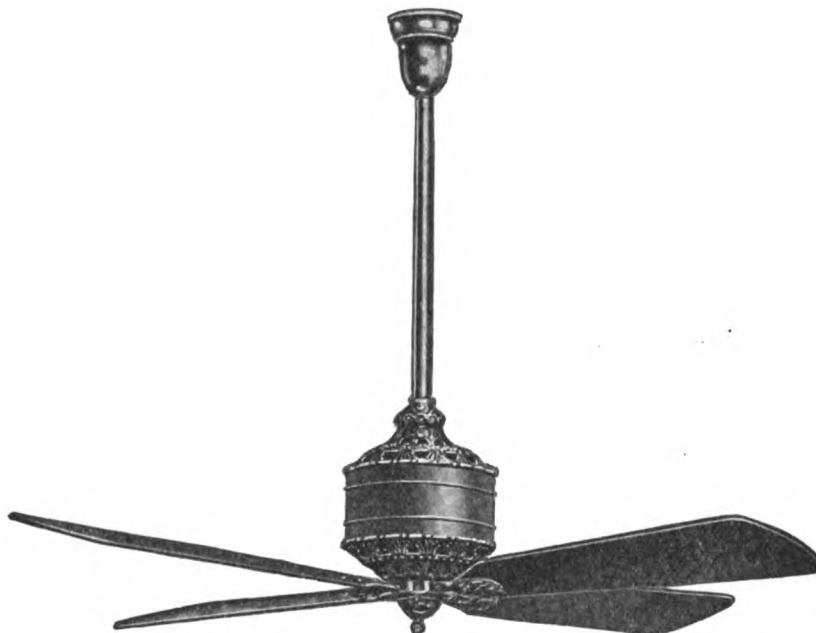
250-volt fans are furnished without switch when they are to be operated in series, but will be equipped for multiple service unless otherwise specified.

The Type RR2 is the same as Type RR1, but with electric light brackets.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COLONIAL CEILING AND EXHAUST FANS

DIRECT CURRENT



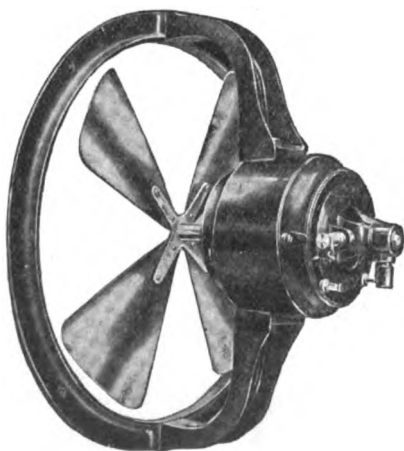
Type UU

CEILING FANS

Four-Blade, 56-inch Sweep

Trade No.	Voltage	R. P. M.	Shipping Wt., Lbs.	Price Each
014594	110	220	100	\$44.00
014595	170	220	100	48.00
014596	220	220	100	48.00
014597	250	220	100	48.00
014598	500	220	100	64.00

Type UU ceiling fans are furnished in all black japan finish. Stems and stem casings will not be furnished, but black enameled canopy, insulated hanger and ceiling hook will be supplied. Conduit stem will be furnished at 15 cents for each foot.



18-60-inch Exhaust Fan

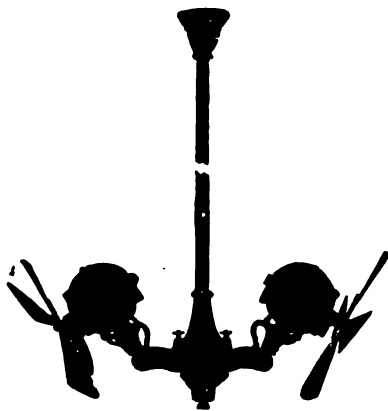
EXHAUST FANS

Trade No.	Size Inches	Voltage	Shp. Wt., Lbs.	Price Each
015810	12	110	....	\$28.00
015811	12	220	....	30.00
015812	16	110	....	30.00
015813	16	220	....	32.00
015814	18	110	188	127.00
015815	18	220	188	127.00
015816	24	110	290	164.00
015817	24	220	290	164.00
015818	30	110	430	228.00
015819	30	220	430	228.00
015820	36	110	620	326.00
015821	36	220	620	326.00
015822	42	110	825	390.00
015823	42	220	825	390.00
015824	48	110	1150	450.00
015825	48	220	1150	450.00

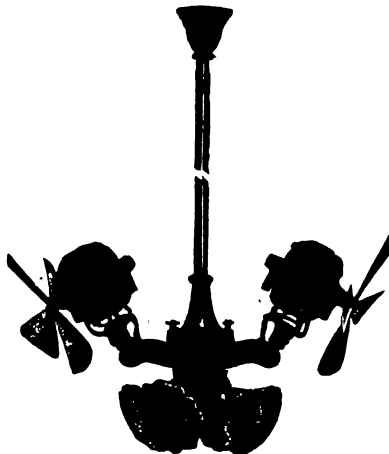
Prices on 500-volt exhaust fans upon application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ADAMS BAGNALL GYROFANS



Direct Current—without Lights



Alternating Current—with Lights

The Gyrofan, the most scientific of all breeze makers, consists of two Adams Bagnall Fan Motors pivotally mounted on a frame, arranged to revolve about the vertical axis on a ball bearing. No current is utilized for the revolution of the fixture, which results from an angular adjustment of the motor shafts with respect to the vertical axis. In other words, the revolution depends upon the angle at which the two fan blades impinge upon the air.

The quietly revolving fixture carries the rapidly rotating fans around at the rate of about ten revolutions per minute, thus throwing a strong whirling blast over a wide area and repeating it at any given point twenty times a minute. By means of two tubular speed regulating screws, located on the outside of the base, it can be made to revolve at a range of speed of from two to thirty times a minute. Ten to twelve revolutions per minute is standard and recommended for all ordinary conditions.

The Gyrofan sets in motion the entire atmosphere of the room and maintains a constant circulation of pure, cool air throughout, instead of blowing a strong blast directly downward and within a very small area.

The Gyrofan is handsome and artistic; economical and practical; its ruggedness of construction and reliability of operation have been fully proved.

CEILING TYPE

Direct Current				Alternating Current			
Trade No.	Voltage	Diam. of Blade, In.	Price Each	Trade No.	Voltage	Cycles	Price Each
089121	110	12	\$29.00	089125	110	60	\$36.00
089122	110	15	36.00	089126	110	60	42.00
089123	220	12	31.00	089137	110	25	38.00
089124	220	15	39.00	089138	110	25	45.00

COLUMN TYPE

Trade No.	Voltage	Diam. of Blade, In.	Price Each	Trade No.	Voltage	Cycles	Price Each
089129	110	12	42.00	089133	110	60	49.00
089130	110	15	49.00	089134	110	60	55.00
089131	220	12	45.00	089139	110	25	51.00
089132	220	15	52.00	089140	110	25	58.00

ADDITIONAL SPECIFICATIONS—D. C. AND A. C.

Light attachments: Four sockets, no lamps or glassware, add net to above list, \$3.75.

An artistic luminous bowl attachment is furnished for \$9.00 addition to price of the Gyrofan given above.

Guards will be furnished only when specified.

Ceiling Gyrofans are furnished complete for 12-foot ceiling; for extra lengths of extensions, add \$0.50 net per foot or fraction thereof.

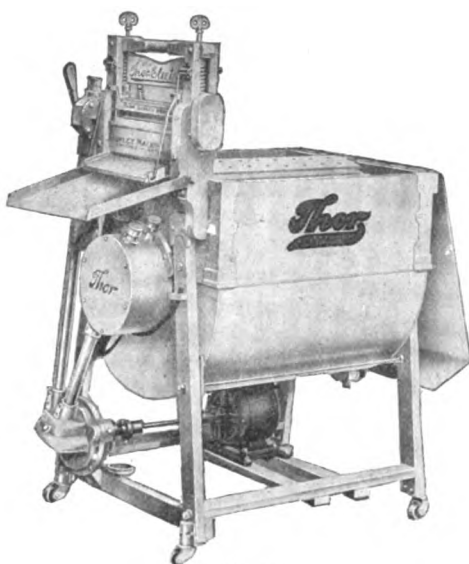
Stem for 12-inch fan, 4 feet; stem for 15-inch fan, 3 feet 9 inches.

Column Gyrofans are fitted with a standard 6 feet 6 inches high for 12-inch size, and 6 feet 9 inches for 15-inch size. For extra lengths, add \$1.00 net per foot or fraction thereof.

Finish: The standard or extension, and the fan blades, are finished in cloister finish, the motor frames and gyrating base being in black enamel. For special finish for ceiling or column Gyrofans, prices will be quoted on application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

THOR ELECTRIC WASHING MACHINES



No. 25



No. 36

The New Improved Thor Electric is the finest and most complete washing machine on the market. It is a remarkable improvement over any previous models. The bodies of the Improved Thor Electric are made of 26 gauge steel or 20 ounce copper, making them absolutely water-tight and rustproof.

All moving parts are enclosed, making the machine trouble-proof. Equipped with a special two-roll reversible wringer. The cylinders are of the finest hard maple or heavy sheet copper.

Accident-proof Wringer

The wringer is fitted with the Thor safety guard which makes it impossible for the operator to get fingers or hands caught while the rolls are in motion.

Atalog on Motor Shaft

A device connected to motor drive shaft which automatically releases motor in case of sudden overload. Saves blowing of fuses and eliminates motor trouble.

Beltless, Chainless, Silent

The Improved Thor is shaft-driven by smooth running, silent spiral bevel gears. All moving parts are enclosed and out of the way of the hands or clothes.

The operation of the machine is always under instant control of the operator by a push button which is located on the side of the wringer.

No. 20—Capacity, 36 Towels or 3 Sheets

Trade No.	Description	H. P. of Motor	Weight, Net	Pounds Ship.	Price Each
097150	Complete, with galvanized steel body, wooden cylinder	$\frac{1}{6}$	212	295	\$70.00
No. 25—Capacity, 72 Towels or 6 Sheets					
060230	Complete, with galvanized steel body, wooden cylinder	$\frac{1}{6}$	255	314	90.00
060232	Complete, with copper body, wooden cylinder	$\frac{1}{6}$	255	314	110.00
097147	Complete, with copper body, copper cylinder	$\frac{1}{6}$	255	314	125.00
No. 27—Capacity, 108 Towels or 9 Sheets					
060233	Complete, with galvanized steel body, wooden cylinder	$\frac{1}{5}$	261	328	120.00
097148	Complete, with copper body, wooden cylinder	$\frac{1}{5}$	261	328	145.00
060235	Complete, with copper body, special copper cylinder	$\frac{1}{5}$	261	328	165.00
No. 28—Capacity, 144 Towels or 12 Sheets					
060236	Complete, with galvanized steel body, wooden cylinder	$\frac{1}{4}$	264	336	160.00
097149	Complete, with copper body, wooden cylinder	$\frac{1}{4}$	264	336	185.00
060238	Complete, with copper body, copper cylinder	$\frac{1}{4}$	264	336	215.00
No. 36—Capacity, 240 Towels, or 20 Sheets					
83586	Complete, with copper body, copper cylinder .....	....	....	....	\$385.00

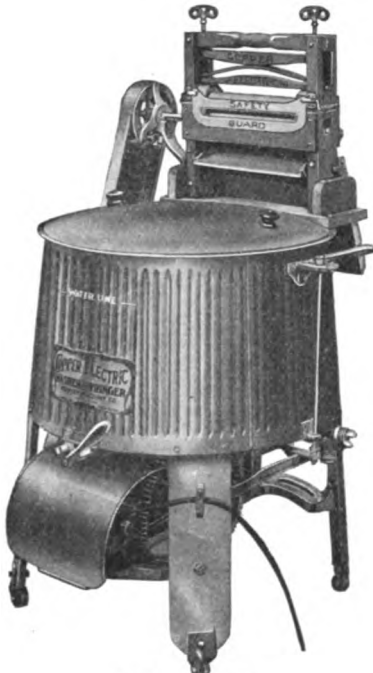
Guaranteed

The Improved Thor Electric Washing Machine is guaranteed against all mechanical or electrical defects. The manufacturers furnish each purchaser with a guaranty bond covering his machine.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ELECTRIC WASHING MACHINES

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Copper Electric

THE COPPER ELECTRIC WASHING AND WRINGING MACHINE

The Copper Electric is another superior product of the manufacturers of the Improved Thor Electric, and its simplicity of operation and construction is a notable feature. It is the only machine of the dolly type made with a corrugated heavy tinned copper tub, which will never warp, never leak, never rust, and it has a greater washing capacity.

There is no machinery attached to the cover, the operating mechanism being placed under the tub out of the way. The wringer chain drive is guarded, which prevents accidents to the hands or clothes. Has $\frac{1}{8}$ horse power motor.

Accident-proof Wringer

The Copper Electric is equipped with a 10-inch two-roll reversible wringer. This is fitted with a safety attachment which absolutely eliminates the possibility of getting the fingers or hands caught while the rolls are in motion.

Guaranteed

The Copper Electric is guaranteed against all mechanical and electrical defects. Each purchaser is given a guaranty bond covering the construction and perfect operation of the machine.

Capacity, 96 Towels or 8 Sheets

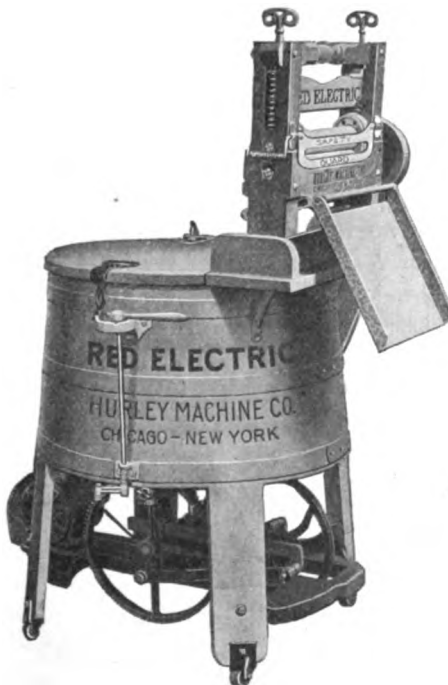
Trade No.	Description	Wt., Lbs.		Price Each
		Net	Ship.	
41653	Complete, with corrugated copper body.....	170	215	\$70.00

THE RED ELECTRIC WASHING AND WRINGING MACHINE

The Red Electric Washing and Wringer Machine is practically the same as the Copper Electric described above, with the exception that the body is made of fine quality southern cypress with cover attached. It has a special 10-inch two roll reversible wringer, the frame of which is made of hard white maple. The wringer is fitted with the Thor safety guard and the wringer chain is covered. It has a special $\frac{1}{8}$ horse power Westinghouse electric motor for direct or alternating current.

Capacity, 72 Towels or 6 Sheets

Trade No.	Description	Wt., Lbs.		Price Each
		Net	Ship.	
097145	Complete, with southern cypress body.....	168	210	\$55.00



Red Electric

The Red Electric Washing and Wringer machine is guaranteed against imperfections. The manufacturers will furnish a guaranty bond covering the machine.

THOR ELECTRIC HOME IRONING MACHINES

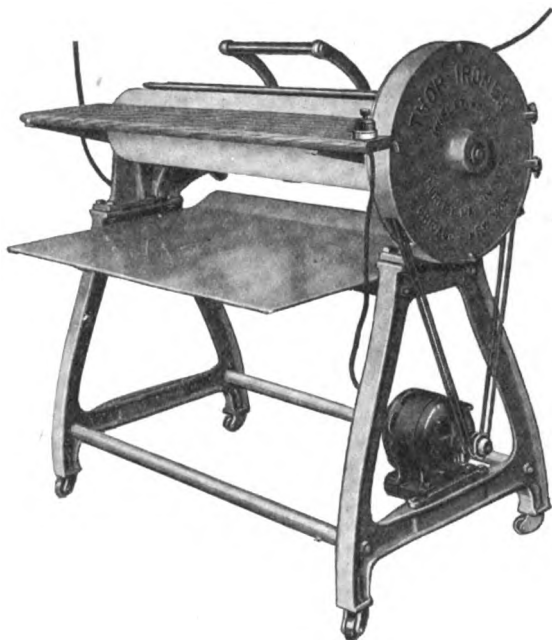


Illustration Shows Simplicity of Mechanism

These new labor saving devices for the home win instant approval in every household where electric current is used. As will be noted from the illustration, their construction and operation is very simple. They will do 95 per cent of the home ironing, doing the work perfectly and economically and saving much time and energy.

They are simple, serviceable, accident-proof and silent in action. All moving parts are enclosed.

The Thor Ironers are easily operated. The motor will run from the ordinary electric light fixture. They can be heated with either gas or gasoline. A snap switch starts the roll revolving. They are shoe type, with 25 per cent more surface than any other ironer on the market. The pressure release instantly controls the heated shoe. They iron at the rate of 8 feet per minute.

These ironers are durably constructed. The heavy cast iron body gives maximum strength and the middle and lower shelves of galvanized steel give additional firmness. The ironing shelf is stationary and is made of polished hard maple.

The Thor is absolutely guaranteed. Made in three sizes: The No. 38 will iron a 72-inch and the No. 44, an 88-inch sheet doubled. The No. 50, designed for the large home, small hotel, country club, hospital and other institutions, will take a 100-inch sheet doubled.

Trade No.	Mfrs. No.	Description	Height	DIMENSIONS, INCHES			Price Each
				Width	Length		
90230	38	Complete with motor	43	24	48		\$100.00
90228	44	Complete with motor	43	25	54		130.00
90229	50	Complete with motor	45	25	60		185.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SHELTON VIBRATORS



Outfit No. 15



Outfit No. 19



Outfit No. 71



Outfit No. 85



Outfit No. 75

Shelton Vibrators are simple in construction, strong and durable, and have no small parts that can quickly wear, break or get out of order.

These vibrators are made for any electric lighting circuit, 110 or 220 volts. Guaranteed for one year.

JUNIOR VIBRATORS

Equipped with special air-cooled motor and regulating lever for obtaining mild, medium or strong vibration.

Black enamel finish.

Trade No.	Mfra. No.	Rated Vibration H. P.	Weight	Price Each
075852	15	$\frac{1}{8}$	2 lbs.	\$35.00

DE LUXE-WAYNE VIBRATORS

These vibrators have air-cooled motor, perfect regulation and are light in weight. The strength of vibration is controlled by an ingenious lever that changes the stroke from a mere tremor to the strongest stroke that can be used in electric massage.

Bright aluminum finish.

075853	19	$\frac{1}{8}$	30 oz.	30.00
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SPECIAL VIBRATORS

These vibrators have a rapid penetrating stroke which give a most vigorous massage. They can be instantly regulated to a gentle mild vibration.

Bright aluminum finish.

135796	71	$\frac{1}{8}$	29 oz.	25.00
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KNICKERBOCKER VIBRATORS

These vibrators give a strong, rapid, deep, penetrating vibration for a light-weight machine. They are equipped with a regulator that controls the speed of the motor and the strength of the vibration.

Bright aluminum finish.

075854	85	$\frac{1}{8}$	28 oz.	20.00
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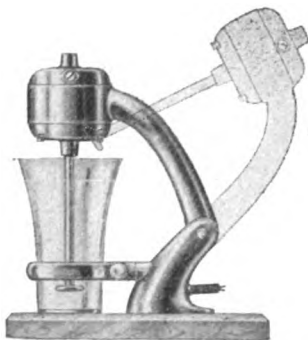
GENTRY VIBRATORS

These vibrators, though low in price, are by no means cheap machines in construction. They are strong and durable. Equipped with a convenient stroke regulator, strong vibration, suitable for scalp, facial and body massage.

075855	75	$\frac{1}{10}$	26 oz.	16.50
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SHELTON APPARATUS



Drink Mixer



Portable Hair Drier



Phonograph Motor

AUTOMATIC DRINK MIXERS

The Shelton Automatic Drink Mixer is being installed in many first class hotel and café bars and soda fountains. Fully guaranteed.

Trade No.	Price Each
075860	Automatic drink mixer..... \$15.75

PHONOGRAPH MOTORS

The electric phonograph motor operates a talking machine without the necessity and annoyance of winding up the spring motor. It is absolutely silent, gives uniform speed always. The speed of the turntable is controlled by the speed regulator in the usual way. This motor is not attached to cabinet, simply placed on it. Just remove the crank handle and let the spring motor run down entirely. It is small enough to permit closing of the cover of the cabinet. A switch is conveniently located so that one can operate the talking machine without raising or lowering the cover.

Equipped with ten feet of silk covered connecting cord, switch and attachment plug that can be connected to any lamp socket or receptacle.

Trade No.	Price Each
135808	Alternating or direct current. \$17.50

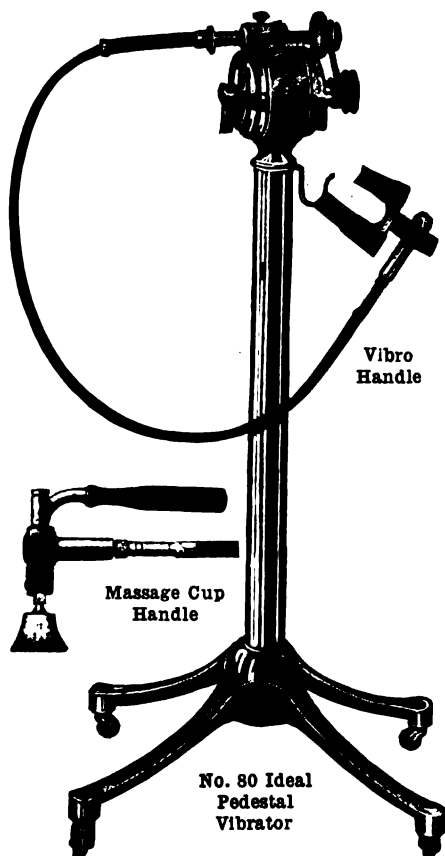
PORTABLE HAIR DRIERS

These hair driers are perfect instantaneous heaters, light weight and fool-proof. Hot or cold air controlled by the touch of a button. The motor is universal, operating on both alternating and direct current, 110 volts. Black enamel finish. Furnished complete in case.

Trade No.	Mfrs. No.	Weight Ounces	Price Each
075857	54	36	\$16.50

IDEAL PEDESTAL MASSAGE VIBRATORS

The strength of the massage is regulated by a button belt tightener. A push button also operates the switch. The combination features of this machine merit special attention. The hand pieces are interchangeable which makes it possible to give any form of vibratory treatment.



No. 80 Ideal Pedestal Vibrator

Trade No.	Mfrs. No.	Description	Price Each
075859	80	Outfit complete with Vibro-Hand Attachment.....	\$67.50
135805	81	Outfit complete with Massage Cup Handle Attachment	67.50
135806	..	Vibro-Hand Attachment only.....	10.00
135807	..	Massage Cup Handle only.....	10.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NEW LIFE VIBRATORS



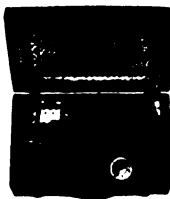
Type A



Type B



Type C



Type D



Type F

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TYPE A

This type is designed especially for home use. It is very compact and strong. Outfit consists of one vibrator, with cord and attachment plug for connection to the electric light fixture, and six applicators, all packed in a handsome carrying case of black leatherette lined with satin. A speed regulating switch permits the motor to be run fast or slow.

Trade No.		Price Each
90465	Complete as described.....	\$15.00

TYPE B

Type B is intended for use in homes where there is no electric current available for operating the vibrator. The deep box contains fifteen dry battery cells, providing current sufficient to operate the vibrator for many months. When the original cells are exhausted new ones can be obtained from any dealer in electrical supplies. Six applicators are furnished with the outfit and the cord attached to vibrator has a special plug for connecting it to the battery terminals.

90466	Complete as described.....	25.00
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TYPE C

This is the professional type of vibrator used by physicians, nurses and masseurs. It is of heavier construction and has a more powerful motor than the vibrator designed for home use. The deep penetrating vibrations make it particularly suitable for cases requiring energetic treatment. The vibrator and six applicators come packed in a handsome black leatherette carrying case, satin lined.

90467	Complete as described.....	25.00
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TYPE D

This type was specially designed to meet the demand for a light, efficient and low-priced vibrator for family use and for the professional hair dresser or masseur who calls on patrons at their homes. This type has no speed regulator but it may be stopped or started instantly by means of a push button in the handle. A current regulator which controls the speed of the vibrator by increasing or diminishing the flow of current can be supplied at an additional cost of \$1.50.

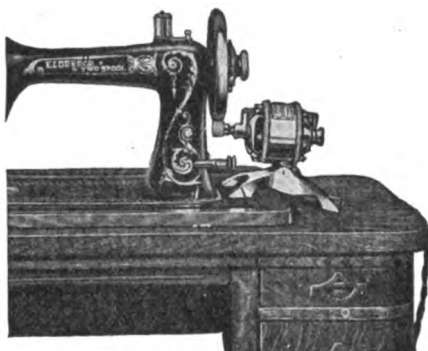
15421	Complete as described.....	11.50
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TYPE F

This style is similar in design to Type D, but is provided with a speed controlling device and six applicators are furnished. Packed in black leatherette carrying case lined with satin.

15422	Complete as described.....	13.50
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SEWING MACHINE MOTORS AND DRIERS



Sewing Machine Motor

SEW-E-Z SEWING MACHINE MOTORS

These little motors change any sewing machine, old or new, into an electric self-operated labor saver. Very easily adjusted. No tools or screws. Just place the motor on the machine next to the wheel. Attach the plug to any electric light socket. Then place the little self starter on the floor. A slight pressure of the toe starts the wheel. Motor is wound for operation on 110 to 120 volts on either A. C. or D. C., 25 to 60 cycles. A slight additional charge for other currents is made.

Trade No.	Price Each
90468 Complete as described.....	\$15.00

CYCLONE HAIR DRIERS

Model No. 1

The Cyclone Hair Drier will dry the heaviest head of hair in a very few minutes. The heating unit is designed to furnish a blast of just sufficient heat to dry the hair in the shortest possible time and leave it with a perfectly healthy and glossy lustre. One turn of switch gives cold blast; two turns, hot blast.

The Cyclone is perfectly balanced and light in weight, assuring ease of operation. Simply connect the plug to the electric light socket. There is nothing to get out of order.

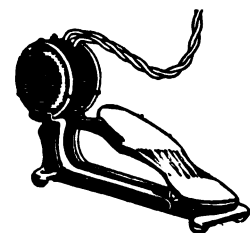
The motor is designed to operate on both alternating and direct currents at a voltage of from 105 to 120 volts. Where the voltage is less than 105 or more than 120 volts, or where the frequency of alternations is greater than 60 cycles, a small additional charge will be made for this special outfit.

Trade No.	Price Each
61222 Complete as described	\$25.00

Model No. 2

Model 2 is similar to Model 1 in operation, but is somewhat different in design. The shape of the casing, however, is the same, being of a peculiar snail design which allows plenty of room for the fan and prevents the air from being choked.

90469 Complete as described.....	15.00
90470 Plush-lined carrying case, extra.....	1.50



Showing Self-starter Attachment for Sewing Machine Motor

Model No. 1 Model No. 2
Cyclone Hair Drier

CYCLONE SHOE DRIERS

The Cyclone Shoe Drier is portable, very light, efficient, durable, and fool-proof. Simple to operate. All that is necessary is to turn the button in the handle. Has a universal support which fits any stand so that one shoe can be dried while the other is being treated with polish.

Made of a highly polished aluminum casing enclosing a powerful little motor which drives the fan, throwing a strong blast of air which circulates around every part of the shoe. Has hot and cold air blast.

Trade No.	Price Each
61223 Complete as described	\$15.00



Cyclone Shoe Drier

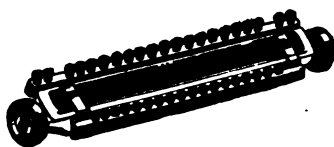
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EUREKA ELECTRIC VACUUM CLEANERS

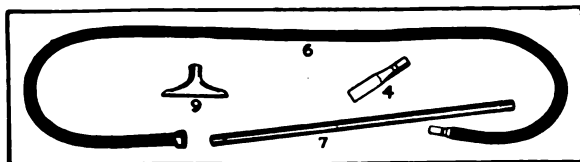
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Cleaner



Floor Brush



Attachments

While weighing only 10 pounds, the Eureka is equipped with a strong, efficient motor that gives it a powerful suction, enabling it to accomplish the most difficult work in the shortest space of time.

The motor of the Eureka is hung in a horizontal position, insuring long life of the bearings. Oil is maintained in the bearings and the weight of the armature is distributed on both of them.

The nozzle is 12 inches wide and runs on rollers, enabling the operator to secure rapid results and allowing the machine to cover a wide space with every stroke. Its fan is made of steel, which is practically indestructible, and its oiling device is automatic, requiring attention only once every six months. These features, together with the strong mechanical construction throughout, enable the Eureka to stand up against hard usage and give long service.

The Eureka is equipped with a floor brush, as illustrated, which enables it to remove threads, ravelings, lint, etc., as easily and rapidly as it removes the dust. Notice the rollers at each end of the nozzle, which make the machine run so easily over the carpets and rugs.

The machine may be used for cleaning mattresses, portieres, upholstered furniture, plate rails, or indeed, any household furnishing. The hose attachment is fitted right onto the front of the machine and, together with various tools, any object may be reached and thoroughly cleaned.

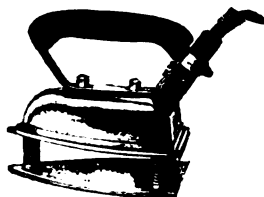
Trade No.	Description	Price Each
097158	Eureka Cleaner with floor brush	\$29.50
097174	Set of attachments.....	4.75

ATTACHMENTS

Trade No.	Part No.	Description	Price Each
097162	4	Attachment for cleaning radiators, book-cases, etc.....	\$0.50
097164	6	8-foot 1¼-inch web covered hose, with swivel attachment. The swivel joint allows the cleaning tool to be turned about without turning the hose.....	3.50

Trade No.	Description	Price Each
097165	7 30-inch extension tubing..	\$0.80
097167	9 7-inch aluminum nozzle, for portieres, mattresses, upholstery, etc.	0.90

UNIVERSAL HEATING APPLIANCES



No. E-9081 Iron



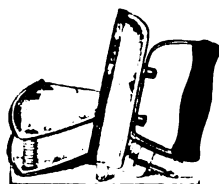
No. E-9051 Iron



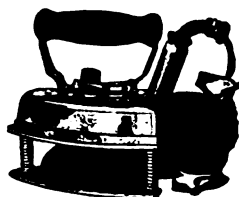
No. E-901 Iron



No. E-9023 Iron



No. E-902 Iron

Nos. E-905 and
E-3905 IronsNo. E-9021
Travelling Iron

The heating units are made of best grade nichrome wire insulated in India Ruby Mica which gives them very long life. The nickel-plated brass leads in the contacts are firmly bolted and have never been known to burn out. Positive contact is assured in the connection plug by the seven-point contact phosphor-bronze sleeve that grips the terminal plug firmly. The best quality heater cord is used with Hubbell attachment plugs.

UNIVERSAL ELECTRIC IRONS

Nos. E-9081 and E-9051 are equipped with snap switch by means of which the current may be shut off at any time during the ironing without removing the plug.

Nickel-plated Base and Hood, Ebonized Handle, Reversible Stand

Trade No.	Mfrs. No.	Watts	Wt., Lbs. Iron	Ship. Wt. Lbs. Complete	Price Each
111864	E-9081*	580	6	8½	\$6.00

Nickel-plated Base and Hood, Ebonized Handle, Reversible Stand

111865	E-9051*	580	6	8¼	5.00
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Nickel-plated Base and Hood, Ebonized Handle, Reversible Stand

90691	E-901	580	6	8¼	5.00
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Nickel-plated Base and Hood, Ebonized Handle, Reversible Stand

111862	E-9023	350	3	5	4.00
111863	E-9024	500	4	6	4.00
111861	E-9035	580	5	7½	4.00

Nickel-plated Base and Hood, Ebonized Handle, Reversible Stand and Tip-up Stand

90695	E-902	580	6	8	4.00
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Nickel-plated Base and Hood, Ebonized Handle, Reversible Stand

111866	E-905	580	6	8	4.00
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Black Base, Nickel-plated Hood, Ebonized Handle, Reversible Stand

111867	E-9052B	580	6	8	4.00
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Nickel-plated Base and Hood, Ebonized Separable Handle, Reversible Stand

111868	E-9021	350	3	5	4.50
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THERMAX ELECTRIC IRONS

Nickel-plated Base and Hood, Ebonized Handle, Reversible Stand

111869	E-3905	580	6	8	4.00
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Black Base, Nickel-plated Hood, Ebonized Handle, Reversible Stand

111870	E-39052	580	6	8	4.00
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Black Base, Nickel-plated Hood, Ebonized Handle, Reversible Stand and Tip-up Stand

111871	E-3902	580	6	8	4.00
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TRAVELING IRONS

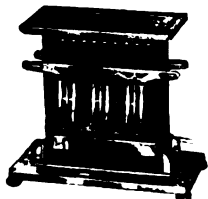
Nickel-plated Base and Hood, Ebonized Separable Handle, Reversible Stand
Equipped with velvet bag for traveling.

90697	E-9021	350	3	5	4.50
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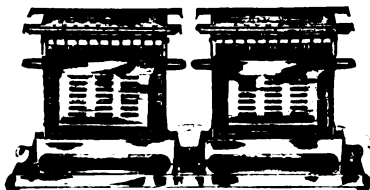
*Equipped with snap switch.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

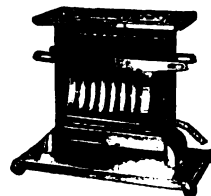
UNIVERSAL HEATING APPLIANCES



No. E-944 Toaster



No. E-943 Twin Toaster



No. E-946 Toaster

UNIVERSAL TOASTER

Universal Toasters are so constructed that the bread, when being toasted is placed within one-quarter of an inch of the heating unit over its entire surface, thus insuring uniformly browned toast.



No. E-945 Toaster

Trade No.	Mfrs. No.	Watts	Height Over All Inches	Ship. Wt. Lbs.	PRICE, EACH Nickel-plated	Silver-plated
90680	E-944	340	6 $\frac{3}{4}$	2 $\frac{1}{2}$	\$5.00	\$6.00
90676	E-943	680	6 $\frac{5}{8}$	3 $\frac{7}{8}$	8.00	10.00
111849	E-946	340	6 $\frac{3}{4}$	2 $\frac{1}{2}$	4.00	5.00
111850	E-945	340	10 $\frac{3}{8}$	2 $\frac{3}{4}$	5.00	6.25

THERMAX TOASTERS

For Campaign Purposes

111851	E-1942	340	7 $\frac{3}{4}$	2 $\frac{1}{2}$	4.00	5.00
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No. E-1942 Toaster

BOILERS

Electric boilers in common with all other Universal Water Heaters have a safety plug device preventing all danger, should the water boil dry while the current is on. For boiling eggs, heating soup or liquid foods, this attractive little table boiler will be found very convenient.



No. E-9932 Boiler

Trade No.	Mfrs. No.	Cap. Quarts	Watts	Ship. Wt. Lbs.	PRICE, EACH Nickel-plated or Copper	Silver-plated
90678	E-9932	1	450	3 $\frac{1}{4}$	\$7.50	\$9.00

Furnished with egg rack to hold six eggs, as shown.

DISK STOVES

Ebonized handles and base knobs; polished 6-inch iron disk; nickerled frame. Furnished with 6-foot mercerized silk finish flexible cord and seven-point contact terminal plug.



No. E-997N Disk Stove

Trade No.	Mfrs. No.	Watts	Ship. Wt., Lbs.	Price Each
90647	E-996N	550	6 $\frac{1}{8}$	\$5.50
90658	*E-9960N	550	8 $\frac{1}{2}$	5.50
With Fast and Slow Heat Connections				
90648	E-997N	550, 300	6 $\frac{1}{4}$	6.50
90656	*E-998N	550, 300	8 $\frac{1}{2}$	6.50

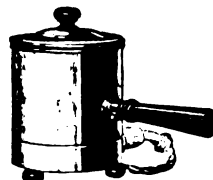
*With side handles.

In ordering, always specify voltage.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNIVERSAL HEATING APPLIANCES

For Boudoir and Bathroom

No. E-9940
Heating PadNo. E-1994
Heating PadNo. E-9891 Curling Iron
and Hair DrierNo. E-993
Water Heater

UNIVERSAL HEATING PADS.

Color Universal Gray

Equipped with 10-foot mercerized silk cord, three-feed circuit heat regulator and a safety device which automatically breaks circuit at a given temperature, preventing pad from becoming overheated.

Trade No.	Mfrs. No.	Watts	Size Inches	Ship. Wt., Lbs.	Price Each
106813	E-9940	22, 44, 66	15 x12	2½	\$7.50

THERMAX HEATING PADS

Color Universal Yellow

Equipped with 8-foot cord and separable attachment plug.

106814	E-1994	40	8½x11½	1¾	4.50
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CURLING IRONS AND HAIR DRIERS

Irons nickel-plated, combs aluminum, handles mahoganized. Detachable swivel connecting plug prevents binding of the cord. Equipped with 6-foot mercerized silk finish flexible cord.

Trade No.	Mfrs. No.	Watts	Without Comb		Ship. Wt., Lbs.	Price Each
			Diam of Iron, In.	Length Inches		
90699	E- 989	20	5/8	13	1	\$3.75
90690	E- 999	25	7/8	13¼	1	3.75
With Comb						
90700	E-9891	20	5/8	13	1½	4.50
106811	E-9991	25	7/8	13¼	1½	4.50

PORTABLE WATER HEATERS

Made of copper; inside coated with pure tin, silver finished; ebonized handle. Furnished with a 6-foot art silk flexible cord and seven-point contact terminal plug. Equipped with Universal Fusible Plug Safety Device.

Trade No.	Mfrs. No.	Cap. Pints	Watts	Height Over All Inches	Ship. Wt., Lbs.	PRICE, EACH Nickel-plated or Copper	Silver-plated
90665	E-993	1½	450	5¾	2½	\$6.50	\$8.00

IMMERSION HEATERS

Has removable wire rack attached to base which allows heater to stand upright in glass. Patented plug which can be disconnected with one hand. Complete with a 6-foot mercerized silk cord.

Trade No.	Mfrs. No.	Watts	Ship. Wt., Lbs.	PRICE, EACH Nickel-plated or Copper	Silver-plated
106812	E-970	350	1	\$4.00	\$4.50

MILK WARMERS

Made of copper; inside coated with pure tin, silver finished; ebonized handles; equipped with Universal Fusible Plug Safety Device. Milk bottle and extra cover with knob furnished, as shown.

Trade No.	Mfrs. No.	Cap. of Bottle	Watts	Height Over All Inches	Ship. Wt., Lbs.	PRICE, EACH Nickel-plated or Copper	Silver-plated
90677	E-9930	8 oz.	450	9	3½	\$7.50	\$9.00

RADIATORS

Sides of radiator nickel-plated, reflector copper, body black. Complete with 8-foot green cord and seven-point contact terminal plug.

Trade No.	Mfrs. No.	Watts	Height Inches	Width of Body, In.	Ship. Wt., Lbs.	Price Each
90657	E-9950	640	14½	10	7	\$6.50

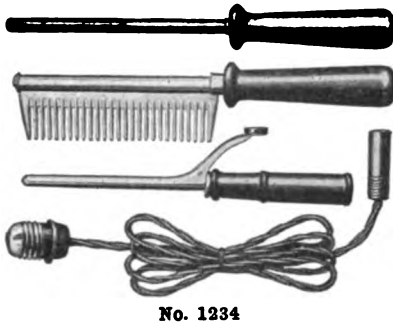
In ordering, always specify voltage.

No. E-970
Immersion HeaterNo. E-9930
Milk Warmer

No. E-9950 Radiator

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PARISIAN ELECTRIC APPLIANCES



No. 1234

The heating element of the Parisian line is locked permanently in the body of the handle between the insulation and the body material, thus preventing the short-circuiting and frequent blow-outs experienced with any other similar article. The connection is made by a rotating movement within the handle.

The Parisian Comb consumes 45 watts of electricity and dries hair in 15 minutes. The curling iron and waver rod consume 22 watts each.

PARISIAN ELECTRIC COMB HAIR DRIERS

Dries the hair quickly without the slightest effort. It untangles kinks and knots without injuring the hair the slightest. It adds life and vigor to the hair and gives it that soft, fluffy, silky sheen so much desired.

PARISIAN ELECTRIC CURLING IRONS

This is the smallest electric curling iron made. Its smallness (in diameter) enables user to curl the short hairs that have always baffled the user to curl before. It is all ready for use—simply attach the cord to any convenient electric light socket. An even temperature is always maintained without danger of overheating and burning or sticking to the hair.

PARISIAN ELECTRIC WAVER

Retains the heat at the proper, even temperature indefinitely. It can be used as often as you like and positively will not injure the hair. There is no danger of scorching or singeing the hair. There is just enough heat to do the work properly and no more. The electricity is for heating only and cannot come in contact with the user.



No. 12348

Parisian Appliances in Cardboard Boxes

Trade No.	Mfrs. No.	Description	Price Each
90345	1	Comb hair drier, without cord.....	\$2.75
90346	14	Comb hair drier, with silk cord	3.75
90347	2	Curling iron, without cord.....	2.75
90348	24	Curling iron, with silk cord.....	3.75
90349	3	Waver iron, without cord.....	2.75
90350	34	Waver iron, with silk cord.....	3.75
90351	4	Silk cord with plug at each end.....	1.00
90352	5	Jewel cases only, plush-lined, for curling iron and cord.....	1.50
90353	6	Jewel cases only, plush-lined, for comb and cord, or waver and cord ...	1.50
90354	7	Jewel cases only, plush-lined, for any two appliances and one cord....	2.00
90355	8	Jewel cases only, plush-lined, for comb, curling iron, waver rod, and one cord.....	3.00
90356	9	Soft leather roll, plush-lined, for comb, curling iron, waver rod, and one cord.....	3.00

Parisian Appliance Sets in Cardboard Boxes

90357	124	Comb hair drier and curling iron, with one silk cord.....	6.50
90358	134	Comb hair drier and waver rod, with one silk cord	6.50
90359	234	Curling iron and waver rod, with one silk cord.....	6.50
90360	1234	Comb, curling iron and waver rod, with one silk cord.....	9.25

Parisian Appliances in Jewel Cases, Plush-Lined

90361	146	Comb hair drier, with one silk cord.....	5.00
90362	245	Curling iron, with one silk cord.....	5.00
90363	346	Waver iron, with one silk cord.....	5.00
90364	1247	Comb hair drier and curling iron, with one silk cord.....	8.00
90365	1347	Comb hair drier and waver iron, with one silk cord.....	8.00
90366	2347	Curling iron and waver rod, with one silk cord.....	8.00
90367	12348	Comb, curling iron and waver rod, with one silk cord.....	10.50

Parisian Appliances in Soft Leather Roll, Plush-Lined

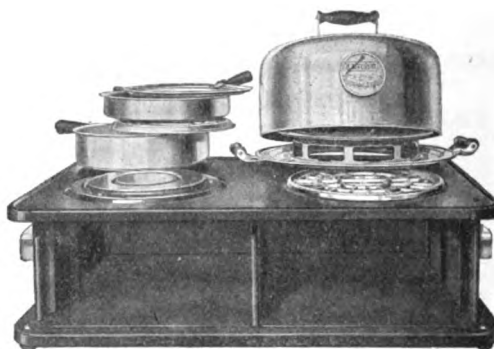
90368	12349	Comb, curling iron and waver rod with one silk cord.....	10.50
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNIVERSAL HEATING APPLIANCES



No. E-9841 Range



No. E-9684 Range

The Universal Electric Ranges and Grills listed below are especially adapted to the needs of the many living in apartments, summer cottages, bungalows, etc., who are doing light housekeeping. The cost of operating is small considering how clean, safe and sanitary these practical cooking appliances are. They are ready to use at a turn of the switch.

PORTABLE SINGLE RANGES

Nickel-plated frame; ebonized handles; fiber feet. Diameter of oven $10\frac{1}{2}$ inches; cooking pans $\frac{1}{4}$, $1\frac{1}{4}$ and 2 inches deep.

Grill heating surface $7\frac{1}{2}$ inches in diameter. Can be regulated to four degrees of heat for the requirements of each cooking operation.



No. E-984 Grill

Trade No.	Mfrs. No.	Watts	Height Over All Inches	Ship. Wt. Lbs.	Price Each
10365	E-9841	600, 325, 275, 150	13	15	\$12.50
10366	E-41	Oven, as illustrated, sold separately			6.00

PORTABLE DOUBLE RANGES

Fully equipped with oven and pans as used in single range. Length, $21\frac{1}{2}$ inches, width $13\frac{3}{4}$ inches, height, 15 inches. Grill, $7\frac{1}{2}$ inches in diameter; disk stove 6 inches in diameter.

10376	E 9684	300*, 600†	15	26	20.00
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The compartments underneath the stoves may be used for warming plates or keeping food hot.

*Maximum watts, one stove. †Maximum watts, two stoves.

ROUND RADIANT GRILLS

Nickel-plated frame; ebonized handles; fiber feet. Diameter of top, 8 inches. Three pans. Four heats.

Trade No.	Mfrs. No.	Watts	Height Over All Inches	Ship. Wt. Lbs.	Price Each
111846	E-984	600, 325, 275, 150	$6\frac{1}{2}$	$6\frac{1}{4}$	\$6.50

RECTANGULAR GRILLS

Nickel-plated frame; ebonized handles; fiber feet. Furnished with a 6-foot mercerized silk finish flexible cord and seven-point contact terminal plug.

Trade No.	Mfrs. No.	Watts	Heating Surface Inches	Ship. Wt. Lbs.	Price Each
90646	E-981	600	$7\frac{5}{8} \times 4\frac{1}{2}$	6	\$5.50

Depth of frying pan, $1\frac{1}{4}$ inches; boiling pan, 2 inches; griddle, $\frac{1}{4}$ inch.

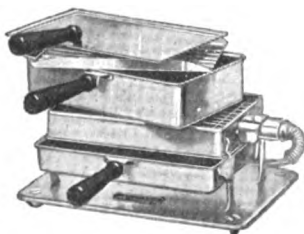
COMBINATION GRILL, STOVE AND TOASTER

Nickel-plated frame; ebonized handles; fiber feet; flat steel top. Furnished with a 6-foot green cord and seven-point contact terminal plug.

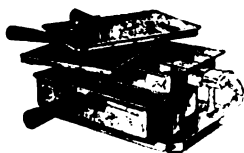
Trade No.	Mfrs. No.	Watts	Ship. Wt. Lbs.	Price Each
111848	E-985	600	$6\frac{1}{2}$	\$6.00

Stove surface, $8\frac{7}{8} \times 5\frac{1}{4}$ inches. Size of toaster, $9\frac{1}{4} \times 5\frac{1}{2}$ inches. Depth of boiling pan, 2 inches. Depth of griddle, $\frac{1}{2}$ inch.

In ordering, always specify voltage.



No. E-981 Grill



No. E-985 Combination Grill, Stove and Toaster

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNIVERSAL HEATING APPLIANCES

No. E-9136
Coffee UrnNo. E-9176
Coffee UrnNo. E-91436
Coffee UrnNo. E-9146
Coffee UrnNo. E-9166044 Coffee
Urn Set

No. E-934 Samovar



No. E-9344 Samovar

Coffee urns and tea samovars are made of copper; inside coated with pure tin, silver finished; ebonized handles. Samovars have silver-plated German silver tea balls. Furnished with a 6-foot art silk flexible cord and seven-point contact terminal plug. Equipped with Universal Fusible Plug Safety Device which eliminates the possibility of burned-out elements. If the water in the appliance becomes exhausted while the current is on and the device consequently becomes overheated, in about a minute and before any harm can be done, this fusible plug melts and drops, breaking the circuit and preventing all possibility of fire or of injury to the article itself through carelessness. A new fuse can be inserted by anyone in a moment's time and the appliance is again ready for operation.

COFFEE URNS

Trade No.	Mfrs. No.	Cup. Cups	Watts	Height Over All Inches	Shp. Wt., Lbs.	PRICE, EACH Nickel-plated or Copper	Silver-plated
90610	E-9136	6	450	14 $\frac{3}{8}$	10	\$10.00	\$11.75
90669	E-9176	6	450	14 $\frac{1}{4}$	9 $\frac{3}{4}$	11.00	12.75
90670	E-9179	9	450	15 $\frac{1}{2}$	12	12.50	14.75
90671	E-91436	6	450	13	9 $\frac{1}{2}$	13.50	15.25
90672	E-91439	9	450	14 $\frac{1}{2}$	10	15.00	17.25

Mission Pattern

90611	E-914	4	450	10 $\frac{1}{4}$	8 $\frac{1}{2}$	11.00	12.25
90612	E-916	6	450	13 $\frac{1}{2}$	9 $\frac{1}{2}$	12.00	13.75
90613	E-919	9	450	15	10 $\frac{1}{2}$	13.50	15.75

Colonial Pattern

90614	E-9144	4	450	10 $\frac{1}{4}$	8	14.00	15.25
90615	E-9146	6	450	13 $\frac{1}{2}$	8 $\frac{1}{4}$	15.00	16.75
90616	E-9149	9	450	15	9 $\frac{1}{4}$	16.50	18.75

Colonial Loving Cup Pattern

90617	E-9166	6	450	15 $\frac{1}{2}$	10	18.00	20.00
90618	E-9169	9	450	17 $\frac{1}{2}$	11	20.00	22.50

COFFEE URN SET

Colonial Loving Cup Pattern

111892,	E-9166044	6	450	....	....	35.00	42.00
111893	E-9169044	9	450	....	....	37.00	44.50

SAMOVARS

Mission Pattern

90637	E-934	4	450	10 $\frac{1}{2}$	7	10.50	11.75
90638	E-936	6	450	13 $\frac{1}{2}$	9	11.50	13.25

Colonial Pattern

90639	E-9344	4	450	11 $\frac{1}{4}$	7 $\frac{3}{4}$	12.50	13.75
90640	E-9346	6	450	11 $\frac{3}{4}$	9	14.00	15.50

When ordering, add letter N to Mfrs. No. for nickel-plated, C for copper and S for silver-plated, and specify voltage.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNIVERSAL HEATING APPLIANCES

No. E-9637
Coffee PercolatorNo. E-966
Coffee PercolatorNo. E-9646
Coffee PercolatorNo. E-9435
Coffee Percolator

No. E-956 Corona Percolator



No. E-904 Tea Ball Teapot



No. E-9044 Tea Ball Teapot



No. E-974 Kettle



No. E-976 Kettle

Coffee percolators and tea ball teapots are made of copper; inside coated with pure tin, silver finished; ebonized handles, percolators are fitted with aluminum interior fittings; teapots have silver-plated German silver tea ball. Furnished with a 6-foot art silk flexible cord and seven-point contact terminal plug. Equipped with Universal Fusible Plug Safety Device.

COFFEE PERCOLATORS

Trade No.	Mfrs. No.	Cap. Cups	Watts	Height Over All Inches	Ship. Wt. Lbs.	PRICE, EACH Nickel-plated or Copper	Silver-plated
90627	E-9635	5	450	9 $\frac{5}{8}$	5	\$8.50	\$ 9.50
90619	E-9637	7	450	10 $\frac{1}{2}$	5 $\frac{1}{2}$	9.00	10.25
Mission Pattern							
90620	E-964	4	450	7	4 $\frac{1}{2}$	9.00	10.00
90621	E-966	6	450	9 $\frac{1}{2}$	5	9.50	10.75
90622	E-969	9	450	11	5 $\frac{1}{2}$	10.00	11.75
Colonial Pattern							
90623	E-9644	4	450	7	4	10.00	11.00
90624	E-9646	6	450	9 $\frac{1}{2}$	5	11.00	12.25
90625	E-9649	9	450	11	6	12.00	13.75
90673	E-9435	5	450	9 $\frac{5}{8}$	5	9.25	10.25
90674	E-9437	7	450	10 $\frac{1}{4}$	5 $\frac{1}{2}$	10.00	11.25
90675	E-9439	9	450	11 $\frac{1}{8}$	6	10.75	12.50

CORONA COFFEE PERCOLATORS

Body made of copper, heavily nickel-plated; ebonized handles; aluminum filter cup and spreader plate. Equipped with the regular Universal heating element, flexible cord and separable plug, but are not equipped with the Universal Fusible Plug Safety Device.

90626	E-956	6	450	10	5	7.50
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TEA BALL TEAPOTS

Mission Pattern							
90641	E-904	4	450	8	3 $\frac{3}{4}$	8.50	9.50
90642	E-906	6	450	9 $\frac{1}{2}$	3 $\frac{7}{8}$	9.00	10.25
Colonial Pattern							
90643	E-9044	4	450	8	3 $\frac{3}{4}$	9.75	10.75
90644	E-9046	6	450	8 $\frac{3}{4}$	4	10.75	12.50

HOT WATER KETTLES

Made of copper; inside coated with pure tin, silver finished; ebonized handle and knobs. Furnished with a 6-foot art silk flexible cord and seven-point contact terminal plug. Equipped with Universal Fusible Plug Safety Device.

Trade No.	Mfrs. No.	Cap. Pints	Watts	Height Over All Inches	Ship. Wt. Lbs.	PRICE, EACH Nickel-plated or Copper	Silver-plated
90682	E-974	2 $\frac{1}{2}$	450	9	4	\$11.50	\$15.00
90684	E-976	2 $\frac{1}{2}$	450	8 $\frac{1}{2}$	4	8.50	11.50

When ordering, add letter N to Mfrs. No. for nickel-plated, C for copper and S for silver-plated, and specify voltage.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNIVERSAL HEATING APPLIANCES

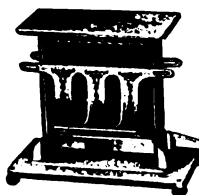
AMERICAN-SHEFFIELD PLATE



No. E-8046 Teapot



No. E-8346 Tea Samovar



No. E-843 Toaster



No. E-8166 Coffee Urn



No. E-8146 Coffee Urn



No. E-8646 Percolator



No. E-840 Chafing Dish



No. E-874 Kettle

Universal American-Sheffield plate is the modern successor to the famous English-Sheffield ware that was made originally by a process of fusing silver over copper and rolling to the proper thickness.

American-Sheffield plate is electro-silver-plated on solid nickel silver and will not show a contrast with the silver if the plate is worn through.

TEA BALL TEAPOTS

The German silver tea ball may be lowered from the outside of the pot and raised again into the cover when the tea is of the desired strength.

Trade No.	Mfrs. No.	Capacity Cups	Watts	Height Over All Inches	Ship. Wt. Lbs.	Price Each
127223	E-8046	6	450	8 $\frac{3}{4}$	4	\$14.50

TEA BALL SAMOVARS

The method of lowering the German silver tea ball is the same as in the above teapot and is the most convenient way yet devised.

127224	E-8346	6	450	11 $\frac{3}{4}$	9	16.50
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TOASTERS

Quickly makes six slices of toast at a cost of less than one cent. Always toasts to an even shade of golden brown as the heat is the same over the entire surface of the bread.

Trade No.	Mfrs. No.	Watts	Height Over All Inches	Ship. Wt. Lbs.	Price Each
127225	E-843	340	6 $\frac{3}{8}$	2 $\frac{7}{8}$	\$8.00

COFFEE URNS

Universal coffee urns and percolators circulate the water thoroughly through the coffee, extracting all the best properties of the coffee before the water boils.

127226	E-8166	450	15 $\frac{1}{2}$	10	22.50
127227	E-8169	450	17 $\frac{1}{2}$	11	25.00
127228	E-8146	450	13 $\frac{1}{2}$	8 $\frac{1}{4}$	17.50
127229	E-8149	450	15	9 $\frac{1}{4}$	19.50

COFFEE PERCOLATORS

127230	E-8646	450	9 $\frac{1}{2}$	5	15.00
127231	E-8649	450	11	6	16.50

CHAFING DISHES

These chafing dishes have ebonized handles.

127232	E-840	450 and 160	12 $\frac{1}{2}$	20.00
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HOT WATER KETTLES

Trade No.	Mfrs. No.	Capacity Pints	Watts	Height Over All Inches	Ship. Wt. Lbs.	Price Each
127233	E-874	2 $\frac{1}{2}$	450	9 $\frac{1}{2}$	4	\$15.00

All the above appliances have ebonized handles and feet. All except the toaster have a Universal Fusible Plug Safety Device.

Furnished complete with 6-foot art silk flexible cord, seven-point contact terminal plug and Hubbell attachment plug.

Each article put in a white cotton bag and packed one in a box.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNIVERSAL HEATING APPLIANCES



No. E-921 Chafing Dish



No. E-9280 Chafing Dish



No. E-9290 Chafing Dish



No. E-920 Chafing Dish



No. E-940 Chafing Dish



No. E-9810 Chafing Dish and Disk Stove



No. E-9890 Chafing Dish and Disk Stove



No. E-9850 Chafing Dish and Disk Stove

All chafing dishes are equipped with the fusible plug safety device which eliminates the possibility of burned-out elements. If the water in the appliance becomes exhausted while the current is on and the device consequently becomes overheated, in about a minute, and before any harm can be done, this fusible plug melts and drops, breaking the circuit and preventing all possibility of fire or of injury to the article itself through carelessness. A new fuse can be inserted by anyone in a moment's time and the appliance is again ready for operation.

CHAFING DISHES

Nos. E-921, E-2921, E-9280 and E-9290 have food pans made of solid copper; inside lined with tin, silver finished. Fast and slow heat connections. Furnished with a 6-foot art silk flexible cord and seven-point contact terminal plug.

Trade No.	Mfrs. No.	Style Handle	Watts	Ship. Wt. Lbs.	PRICE, EACH	
					Nickel-plated Brass or Copper	Brass Silver-plated
90661	E-921	Ebonized	450, 160	10	\$11.00	\$14.00
90649	E-2921	Mahoganized	450, 160	10	11.00	14.00
111875	E-9280	Ebonized	450, 160	10½	12.00	15.00
111876	E-9290	Ebonized	450, 160	10½	13.50	16.50

Nos. E-920, E-2920 and E-940 are made of heavy copper throughout. Inside of food pan lined with pure tin, silver finished. Fast and slow heat connections. Furnished with a 6-foot art silk flexible cord and seven-point contact terminal plug.

Trade No.	Mfrs. No.	Style Handle	Watts	Ship. Wt. Lbs.	PRICE, EACH	
					Nickel-plated or Copper	Silver-plated
90662	E-920	Ebonized	450, 160	12¾	\$15.00	\$18.00
90650	E-2920	Mahoganized	450, 160	12¾	15.00	18.00
111877	E-940	Ebonized	450, 160	12¾	16.50	19.50

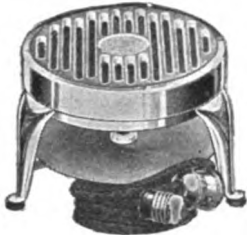
COMBINATION CHAFING DISHES AND DISK STOVES

Food pans are made of solid copper; inside lined with pure tin, silver finished. Furnished with a 6-foot mercerized silk finish cord and seven-point contact terminal plug.

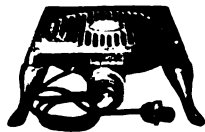
Trade No.	Mfrs. No.	Style Handle	Watts	Ship. Wt. Lbs.	PRICE, EACH	
					Nickel-plated	Brass Silver-plated
90651	E-9810	Ebonized	550, 300	14½	\$12.00	\$17.50
90652	E-29810	Mahoganized	550, 300	14½	12.00	17.50
90653	E-9890	Ebonized	550, 300	14½	15.00	20.50
90654	E-29890	Mahoganized	550, 300	14½	15.00	20.50
90655	E-9850	Ebonized	550, 300	14½	13.50	19.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUGHES ELECTRIC HOT PLATES AND URN HEATERS



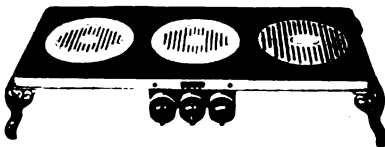
No. 5 Hot Plate



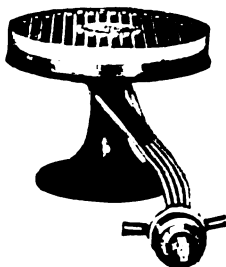
No. 10 Hot Plate



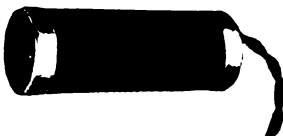
No. 15 Hot Plate



No. 20 Hot Plate



Coffee Urn Heater



Automobile Heater

No. 5 HOT PLATES**Single-burner, with Single-heat Control**

A small attractive hot plate for dining table, studio, nursery and bedroom use. Cooking surface, 7½ inches diameter; heating unit, 6½ inches diameter; height, 5½ inches. Current consumption, 660 watts. Can be attached directly to any light circuit. Nickel-plated throughout. Feet specially tipped to avoid marring table surface. Furnished with attachment cord and plug. Switch conveniently located on the cord.

Trade No.	Ship. Wt. Lbs.	Price Each
132444	10	\$6.50

No. 10 HOT PLATES**Single-burner, with Three-heat Control**

Compact, solid, handsome in appearance. Fitted with long flexible cord and attachment plug. Current consumption, 220, 440, 880 watts.

Cooking surface, 10½x10½ inches. Stands 5½ inches high.

Trade No.	Finish	Ship. Wt. Lbs.	Price Each
063509	Nickel-plated	17	\$ 9.00
132445	White enamel	17	10.00

No. 15 HOT PLATES**Two-burner, with Three-heat Control**

Cooking surface, 10x21 inches; 6½ inches high. Current consumption, left-hand burner, 220, 440, 880 watts; right-hand burner, 1500-750-375 watts.

This hot plate is very efficient, and with No. 35 oven, gives as large a cooking equipment as the No. 27 range.

Trade No.	Finish	Ship. Wt. Lbs.	Price Each
063510	Nickel-plated	44	\$18.00
132446	White enamel	44	20.00

No. 20 HOT PLATES**Three-burner, with Three-heat Control**

Cooking surface, 14x32½ inches; 6½ inches high. Current consumption of left-hand burner, 880, 440, 220 watts and center burner, 1100, 550, 275 watts. The right-hand burner, for the purpose of more rapid cooking, has greater heating capacity: high heat, 1500 watts; medium heat, 750 watts; low heat, 375 watts.

Trade No.	Finish	Ship. Wt. Lbs.	Price Each
063511	Nickel-plated	50	\$25.00
132447	White enamel	50	28.00

COFFEE URN HEATERS

Gives excellent results under any sized urn. Adjustable base for raising or lowering heat unit. Made in three capacities, 1500, 1100, and 880 watts, each having three heats. Furnished complete with three-heat switch. Base finished in plain black. Switch nickel-plated.

Trade No.	Capacity Watts	Ship. Wt. Lbs.	Price Each
132448	880	....	\$10.00
132449	1100	....	10.00
132450	1500	....	12.00

AUTOMOBILE HEATERS

Can be attached to any lamp socket. Consumes 100 watts an hour. Can be supplied with larger current consumption without additional charge. Furnished with attachment cord and plug.

Trade No.	Size Inches	Ship. Wt. Lbs.	Price Each
132451	6x2½	1	\$3.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

RUTENBER ELECTRIC RANGES



Range



Heating Element

Rutenber Ranges embody several features that are not found in any other make. Each one of these features is very essential in a first class range, and contributes to the popularity of the range from the standpoint of service and economy of operation.

All parts of the oven are metal which is formed by special tools to make it air-tight. This compartment is built to conform with the fireless cooking idea and will hold baking temperature a long time after the current has been turned off. Walls and door are insulated with rock wool to a thickness of two inches. The metal used in the interior walls is of a special non-rusting alloy. Oven is equipped with two removable heating units of the radiant type, one at the top and the other at the bottom. Each is controlled by a three-heat switch. Size of oven elements, 8x11 inches. A heat distributor is also furnished which can be placed over the lower unit to distribute the heat. The upper unit can be used for broiling.

The oven door, which is of the ice chest type, heavily insulated, is fitted with a thermometer. This convenience makes it possible to repeat successful results of baking or roasting. Baking temperature can be reached in ten minutes. The racks or supports are removable, and are made of cold rolled steel, with a white nickel finish.

The stove top is made of pressed steel and is equipped with 8-inch radiant type elements. Each element is controlled by a three-heat switch. Immediately after the switch is turned on, the element glows at a bright red, making a very intense heat.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Model No.	No. of Top Burners	Size of Oven Inches	Dimens. of Top Inches	Height Inches	Shipping Weight Pounds	Plain		Nickel	
						Trade No.	Price Each	Trade No.	Price Each
115	2	14x18x12	20x26	34	150	083275	\$57.50	088278	\$62.50
110	3	14x18x12	20x26	34	155	088276	67.50	088279	72.50
105	4	14x18x16	24x26	34	205	088277	79.50	088280	84.50

Warming shelf furnished at \$7.50 extra.

Broiling pans will be furnished at an extra charge of \$1.50 each.

Ranges are built for 110 or 220 volts, two or three-wire systems at no extra cost.

Unless otherwise specified, 110-volt, three-wire system will be shipped.

HUGHES ELECTRIC RANGES



No. 37

No. 37

A most compact range, with oven underneath, designed to meet the needs of an ordinary sized family. Has three-burner cooking surface, two-burner oven. Warming shelf if desired.

Current consumption, front right-hand burner, 1500-750-375 watts; front left-hand burner, 1100-550-275 watts; rear burner, 880-440-220 watts; each of two oven burners, 1100-550-275 watts.

Floor space, 26x29½ inches; height of cooking surface, 34 inches; area cooking surface, 28¼x22½ inches. Dimensions of oven, 18x18x12 inches. Total height of stove with warming shelf, 58 inches.

Trade No.	Finish	Ship. Wt., Lbs.	Price Each
132463	Plain	175	\$62.50
132464	Nickeled	175	67.50

Warming shelf, \$7.00 extra.



No. 27

No. 27

A most suitable range for the medium sized or small family with limited kitchen space, having two-burner cooking surface, two-burner oven and elevated outside warming shelf if desired. Oven is underneath.

Current consumption, right-hand burner, 1500-750-375 watts; left-hand burner, 880-440-220 watts; each of two oven burners, 880-440-220 watts.

Floor space, 18x27 inches; height of cooking surface, 34 inches; area cooking surface, 25x14 inches; dimensions of oven, 18x12x12 inches; height of stove with warming shelf, 58 inches.

Trade No.	Finish	Ship. Wt., Lbs.	Price Each
25048	Plain	150	\$52.00
132465	Nickeled	150	57.00

Warming shelf, \$7.00 extra.



No. 30

No. 30

A small compact range for small and medium sized families, having three-burner cooking surface, two-burner oven, with or without elevated warming shelf, as desired. Oven is underneath.

Current consumption, center burner, 1500-750-375 watts; right-hand burner, 1100-550-275 watts; left-hand burner, 880-440-220 watts; each of two oven burners, 880-440-220 watts.

Floor space, 34½x19 inches; height of cooking surface, 34 inches; area of cooking surface, 33x14¼ inches; oven dimensions, 18x12x12 inches; height of stove with warming shelf, 58 inches.

Trade No.	Finish	Ship. Wt., Lbs.	Price Each
063507	Plain	150	\$57.50
132466	Nickeled	150	62.50

Elevated warming shelf, \$7.00 extra.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 33

HUGHES ELECTRIC RANGES

No. 33

A standard range for the average family; compact in floor space; desired for those who prefer an elevated oven. Has three-burner cooking service, two-burner oven and lower outside shelf.

Current consumption, front right-hand burner, 1500-750-375 watts; front left-hand burner, 1100-550-275 watts; rear burner, 880-440-220 watts; each of two oven burners, 880-440-220 watts.

Floor space, $29\frac{1}{2} \times 29\frac{1}{2}$ inches; height of cooking surface, $31\frac{1}{2}$ inches; area of cooking surface, $22\frac{1}{4} \times 26\frac{1}{4}$ inches. Dimensions of oven, 18x12x12 inches. Total height of stove, 65 inches.

Trade No.	Finish	Ship. Wt. Lbs.	Price Each
90333	Plain.....	250	\$67.50
90338	Nickel-plated.....	250	72.50



No. 44

No. 44

A very popular range because it uses small floor space and has elevated oven feature. Excellent for family of average size. Has four-burner cooking surface, two-burner oven and lower outside shelf.

Current consumption, front right-hand burner, 1500-750-375 watts; front left-hand burner, 1100-550-275 watts; two rear burners, 880-440-220 watts; each of two oven heat units, 1100-550-275 watts.

Floor space, $32\frac{1}{4} \times 29\frac{1}{2}$ inches; height of cooking surface, $31\frac{1}{2}$ inches; area of cooking surface, $26\frac{1}{2} \times 24\frac{1}{4}$ inches. Oven dimensions, 18x18x12 inches. Total height of stove, 65 inches.

Trade No.	Finish	Ship. Wt. Lbs.	Price Each
90336	Plain.....	300	\$78.00
90337	Nickel-plated.....	300	83.00



No. 50

No. 50

One of the most popular styles of electric ranges on the market. Suitable for a medium or large sized family, also for clubs, church kitchens, etc. Has four-burner cooking surface, two-burner oven, warming compartment, outside warming shelf and lower outside shelf.

Current consumption, front right-hand burner, 1500-750-375 watts; front left-hand burner, 1100-550-275 watts; two rear burners, 880-440-220 watts; each of the two oven heat units, 1100-550-275 watts.

Floor space, $51 \times 26\frac{1}{2}$ inches; height of cooking surface, $32\frac{1}{2}$ inches; area of cooking surface, $23\frac{1}{2} \times 27$ inches; oven dimensions, 18x18x12 inches, warming closet dimensions, $21\frac{1}{4} \times 20 \times 9$ inches. Total height of stove, 58 inches.

Finish, either plain or nickel-plated, with white enameled splashers.

Trade No.	Finish	Ship. Wt. Lbs.	Price Each
25049	Plain.....	400	\$90.00
90339	Nickel-plated.....	400	95.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUGHES ELECTRIC RANGES AND OVENS

No. C-4 RANGES

This range should prove popular with the average family because it is of the cabinet type. Has three-burner cooking surface, two-burner oven, elevated outside warming shelf and outside lower shelf.

Current consumption, right-hand burner, 1500-750-375 watts; left-hand burner, 1100-550-275 watts; rear burner, 880-440-220 watts; each of two oven burners, 1100-550-275 watts.

Floor space, $49\frac{1}{2} \times 25$ inches; height of cooking surface, 34 inches; area cooking surface, $22\frac{3}{4} \times 24\frac{1}{2}$ inches. Dimensions of oven, 18x18x12 inches. Total height of stove, 54 inches.

Trade No.	Finish	Ship. Wt., Lbs.	Price Each
90318	Plain black enameled	275	\$70.00



No. C-4 Range

No. 9 OVENS

No. 9 oven is designed for use on the ordinary lamp socket and consumes about the same amount of current as the ordinary flatiron.

The oven is heavily insulated on all sides on the fireless cooker principle, and retains the heat long after the current has been turned off.

Large enough for two loaves of bread, or two pies, two pans of biscuits, cakes, etc.

Furnished complete with attachment plug and cord. Current controlled by three-heat switch. Current consumption 660 or 880 watts.

Inside dimensions, $10\frac{1}{4} \times 11 \times 9$ inches.

Trade No.	Ship. Wt., Lbs.	Price Each
90319	35	\$14.00



No. 9 Oven

Nos. 35 AND 45 OVENS

Constructed of blue steel, with cast legs, nickel-plated. Heavily insulated, to hold the heat in the oven. On a pyrometer test, after current had been turned off entirely for 1 hour, the oven was still at baking heat.

These ovens are equipped with broiler attachment, the same as used in Hughes Ranges. The top and bottom units are controlled by separate three-heat switches, located below the oven door.

These portable ovens are made in two sizes.

No. 35

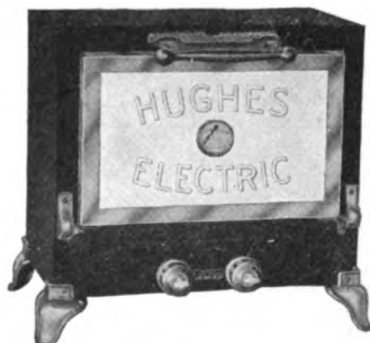
Inside measurement, 18x12x12 inches. Maximum current consumption, 1750 watts.

Trade No.	Finish	Ship. Wt., Lbs.	Price Each
90321	Plain	100	\$30.00
90317	Nickel-plated	100	35.00

No. 45

Inside measurements, 18x18x12 inches. Maximum current consumption, 2100 watts.

Trade No.	Finish	Ship. Wt., Lbs.	Price Each
90320	Plain	140	35.00
90316	Nickel-plated	140	40.00



Nos. 35 and 45 Ovens

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUGHES ELECTRIC RADIATORS AND WATER HEATERS



Nos. 106-130 Radiators



Nos. 133-154 Radiators



Water Heater

Nos. 106-130 RADIATORS

This style radiator is made in eight different sizes. The base is of cast iron finished in nickel and the body of blue polished steel.

All sizes are furnished with 7 feet of cord and Nos. 106 and 110 only have attachment plug.

Single-heat radiators are not equipped with switch.

Shipping weights vary from 20 to 25 pounds, according to size.

Trade No.	Mfrs. No.	No. of Heats	Watts	Length Inches	Width of Base Inches	Height Inches	Net Wt. Lbs.	Price Each
90282	106	1	660	15	9	17½	12	\$6.00
90283	110	3	660	15	9	17½	12½	8.00
90284	116	1	1000	15	9	17½	12	7.00
90285	119	3	1000	15	9	17½	12½	9.00
90286	121	1	1500	15	9	20½	13½	9.00
90287	125	3	1500	15	9	20½	13½	12.00
90288	128	1	2000	15	9	23½	14	12.00
90289	130	3	2000	15	9	23½	14½	14.00

Nos. 133-154 RADIATORS

This style radiator is made in eight different sizes. The base is of cast iron finished in nickel and the body of blue polished steel.

All radiators furnished with 7 feet of cord, but no attachment plug.

Shipping weight, approximately 40 pounds each.

Trade No.	Mfrs. No.	No. of Heats	Watts	Length Inches	Width of Base Inches	Height Inches	Net Wt. Lbs.	Price Each
90292	133	1	2500	19½	9	23	23½	\$16.00
90293	136	3	2500	19½	9	23	23½	18.00
90294	139	1	3000	19½	9	23	23½	19.00
90295	142	3	3000	19½	9	23	23½	21.00
90296	145	1	3500	22¼	9	23	25	22.00
90297	148	3	3500	22¼	9	23	25	24.00
90298	151	1	4000	22¼	9	23	25	25.00
90299	154	3	4000	22¼	9	23	25	27.00

DOMESTIC WATER HEATERS

A simple, cleanly, easily controlled, economical device for providing any required amount of hot water in the home.

Can be attached to any kitchen boiler in the same manner as the ordinary gas circulation heater. It is controlled by a three-heat switch and consumes a maximum of 2 kilowatts of current.

Its wonderful degree of efficiency—an efficiency of approximately 100 per cent, because the water entirely surrounds its heating element and takes up all the heat generated—results in real economy. There is no smoke or soot.

The outer casing of the heater is heavily insulated to prevent heat loss.

Trade No.	Mfrs. No.	No. of Heats	Watts	Length Inches	Diam. In.	Price Each
90300	102	1	750	11	4	\$13.00
90290	101	3	2000	22	4	17.50

Above price is exclusive of tank fittings.

Prices of tanks, with and without insulation, furnished on request.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

THERMOS BOTTLES AND CARAFES



No. 11



No. 15

BOTTLES

Nos. 11 and 11Q

This style is made of heavy metal, brown enamel finish with polished aluminum cup, shoulder and bottom. Fitted with shock absorber.

Trade No.	Mfrs. No.	Size	Price Each
33821	11	Pint.....	\$1.50
33822	11Q	Quart.....	2.50

Nos. 15 and 15Q

Full nickel, heavily corrugated seamless case. This has proved one of the best selling models. Latest construction throughout. Fitted with shock absorber.

Trade No.	Mfrs. No.	Size	Price Each
46147	15	Pint.....	\$2.25
46148	15Q	Quart.....	3.25

Nos. 6 and 6Q

Standard bottle designed for the best trade. The case is smooth, full nickel-plated, heavy seamless brass, handsomely finished. Fitted with shock absorber.

Trade No.	Mfrs. No.	Size	Price Each
28387	6	Pint.....	\$2.50
28388	6Q	Quart.....	3.75

EXTRA GLASS FILLERS FOR ABOVE BOTTLES

To replace glass filler, unscrew case at shoulder and insert filler. Fiber ring should be placed on neck of filler, on top of which place rubber ring. No rubber or fiber ring on neck of filler is required for Nos. 11 and 11Q.

Trade No.	Mfrs. No.	Size	Price Each
51328	11F	Pint size for No. 11 bottle.....	\$1.00
51329	11QF	Quart size for No. 11Q bottle....	1.75
48960	15F	Pint size for No. 15 bottle.....	1.00
48961	15QF	Quart size for No. 15Q bottle....	1.75
28389	6F	Pint size for No. 6 bottle.....	1.00
28390	6QF	Quart size for No. 6Q bottle.....	1.75



No. 6



No. 6Q

FOOD JARS

Nickel-plated

Trade No.	Mfrs. No.	Description	Price Each
46144	600	½ pint size, screw-cap with cork lining.....	\$2.50
46145	601	Pint size.....	3.00
46146	602	Quart size.....	4.00

CARAFES

No. 55 Carafe has a heavy nickel-plated case with silvered glass stopper and chain.

No. 551 has a heavy plain nickel-plated case with handle. Has metal stopper, without chain.

Trade No.	Mfrs. No.	Description	Price Each
135711	55	Quart size carafe.....	\$5.50
135712	66F	Extra glass filler for No. 55, with silvered glass stopper, ground to fit.	3.50
135713	551	Quart size carafe.....	5.50
135714	56F	Extra glass filler for No. 551, with silvered glass stopper, ground to fit....	3.00
135715	560	Extra metal stopper for No. 551.....	.25



No. 55



No. 551

To remove glass filler use edge of any coin to unscrew plug at base. Unscrew two turns to the left, then screw case apart at center. After inserting filler, screw together at center and screw plug to right until filler is tight in case.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

THERMOS CASES, CUPS AND LUNCH KITS



Nos. 263 and 263Q



Nos. 79 and 80

THERMALINE CASES

Thermaline is a waterproof, highly sanitary, strong and durable material. Cases are dark green in color, with colored lining of the same material. Fastened with strap and buckle.

Single Bottle Cases

Trade No.	Mfra. No.	Description	Price Each
28391	263	For pint bottle.....	\$1.25
28392	263Q	For quart bottle.....	1.50

Twin D-Shaped Cases

For one bottle and lunch box or two bottles.			
28393	164	Twin pint size.....	2.00
28394	164Q	Twin quart size.....	2.50

THERMOCUPS

Thermocup are invaluable for the traveler. The detachable handles may be quickly attached to cup. Nickel-plated, buffed to a high polish inside and out, made in sets of two, four and six, making a compact, light package.

28403	79	Set of 4 cups and detachable handles.....	1.50
28404	80	Set of 6 cups and detachable handles.....	2.00
49225	81	Extra cup handles.....	.10

LUNCH KITS

Therduc Lunch Kits

Made of wood, covered with black therduc; metal corner guards.

28398	200	Pint size, 11x11x4 inches, complete with No. 14 bottle and No. 88 extra large green enameled lunch box.....	3.75
28401	200Q	Quart size, 14½x11½x4¾ inches, complete with No. 14Q bottle and No. 88Q extra large lunch box.....	5.00

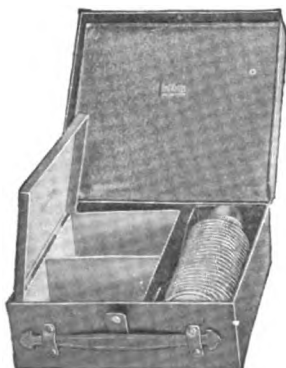
Thermaline Lunch Kits

Made of wood covered with dark green thermaline; genuine leather handle; thermaline lined.

28399	166	Pint size, 11x11x4 inches, with No. 15 bottle and No. 88 extra large green enameled lunch box.....	4.25
28402	166Q	Quart size, 14½x11½x4¾ inches, with No. 15Q bottle and No. 88Q lunch box.....	6.75
28400	167	Two pint size, 14½x11x3¾ inches, with two No. 15 bottles and one No. 88 lunch box.....	7.50



Nos. 200 and 200Q



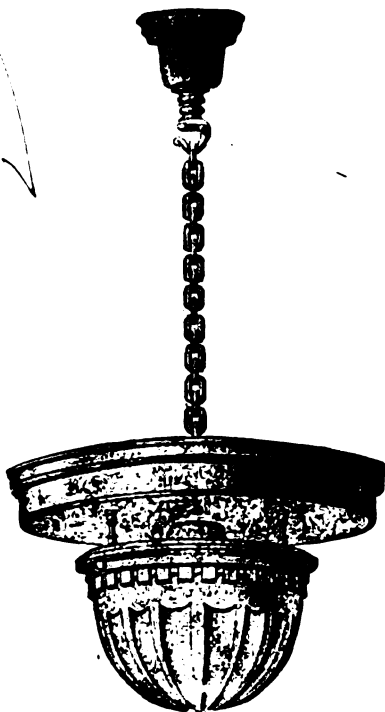
Nos. 166, 166Q and 167

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRASCOLITES

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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Type OB



Type PB



Type NB

TYPE NB, CLOSE CEILING STYLE

Reflector, White Enameled Steel

Band, Brush Brass Finish

Type NB is listed with guard as Type BD on another page.

Trade No.	Size of Lamp Watts	DIMENS., INCHES		Shipping Wt., Lbs.	Price Each
		Outside Diam.	Bowl		
101049	*40 or 60	11	6 1/4	9	\$ 8.50
101040	*100 or 200	16	8 1/4	17	10.50
101041	**200 or 300	19	11 1/2	30	14.00
101042	†400 or 500	23	14 1/2	46	20.00

TYPE OB, WITH SINGLE-CHAIN HANGER

Reflector, White Enameled Steel

Standard Finish, Brush Brass

101050	*40 or 60	11	6 1/4	15	12.00
101043	*100 or 200	16	8 1/4	22	14.00
101044	**200 or 300	19	11 1/2	41	18.75
101045	†400 or 500	23	14 1/2	68	24.75

Length, 4 feet. Additional length, per foot, 50 cents.

TYPE PB, WITH THREE-CHAIN HANGER

Reflector, White Enameled Steel

Standard Finish, Brush Brass

101052	*40 or 60	11	6 1/4	16	13.00
101046	*100 or 200	16	8 1/4	23	15.00
101047	**200 or 300	19	11 1/2	42	19.00
101048	†400 or 500	23	14 1/2	68	25.00

Length, 4 feet. Additional length, per foot, 50 cents.

*Medium socket.

†Mogul socket.

**Medium socket regularly furnished. If with Mogul Socket, add \$1.00 to list.

Pull switch concealed in body and wired, furnished at \$1.50 additional.

Types OB and PB are furnished with Brasco hanger and silk covered wire.

For standard finishes other than specified add 10 per cent.

BRASCOLITES

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Type BD



Type AD



Type GC



Type SC



Type BC

TYPE BD, CLOSE CEILING STYLE

Reflector, White Enameled Steel

Band, Brush Brass Finish

Type BD is the same as Type NB listed on another page, but furnished with wire guard. Designed for use in gymnasiums and other locations where exposed to possible mechanical injury.

Trade No.	Size of Lamp Watts	DIMENSIONS, INCHES			Shipping Wt., Lbs.	Price Each
		Outside Diam.	Bowl			
125736	*40 or 60	11	6 $\frac{1}{4}$	12		\$12.25
125737	*100 or 200	16	8 $\frac{1}{4}$	21		16.00
125738	**200 or 300	19	11 $\frac{1}{2}$	35		21.50
125739	†400 or 500	23	14 $\frac{1}{2}$	53		30.00

TYPE AD, CLOSE CEILING STYLE

Reflector, White Enameled Steel

Trade No.	Size of Lamp Watts	DIMENSIONS, INCHES			Shipping Wt., Lbs.	Price Each
		Outside Diam.	Bowl			
125721	*40 or 60	11 $\frac{3}{4}$	6 $\frac{1}{4}$	9		\$7.00
125722	*100 or 200	14 $\frac{1}{2}$	8 $\frac{1}{4}$	12		9.00
125723	**200 or 300	17 $\frac{1}{2}$	11 $\frac{1}{2}$	16		11.50
125724	†400 or 500	22	14 $\frac{1}{2}$	22		17.00

Pull switch concealed in body and wired, furnished at \$1.50 additional.

TYPE GC, CLOSE CEILING STYLE

Prices cover fixtures only as they are designed to be attached to old sockets.

Trade No.	Size of Lamp Watts	DIMENSIONS, INCHES			Ship. In. Wt., Lbs.	Price Each
		Outside Diam.	Bowl	Fitter		
125725	40 or 60	10	6 $\frac{1}{4}$	2 $\frac{1}{4}$	9	\$6.50
125726	100 or 200	14 $\frac{1}{2}$	8 $\frac{1}{4}$	3 $\frac{1}{4}$	12	8.50
125727	200 or 300	17 $\frac{1}{2}$	11 $\frac{1}{2}$	3 $\frac{1}{4}$	16	11.00

Any size will be furnished with either 2 $\frac{1}{4}$, 3 $\frac{1}{4}$ or 4-inch fitter at no additional cost.

TYPE SC, SHOW WINDOW STYLE

Reflector, White Enameled Steel

Trade No.	Size of Lamp Watts	DIMENSIONS, INCHES			Shipping Wt., Lbs.	Price Each
		Outside Diam.	Bowl			
125728	*100 or 200	14 $\frac{1}{2}$	8 $\frac{1}{4}$	10		\$ 9.00
125729	**200 or 300	17 $\frac{1}{2}$	11 $\frac{1}{2}$	14		11.50

Fastens to window ceiling with wood screws.

TYPE BC, CLOSE CEILING STYLE

Reflector, White Enameled Steel

White Enamel Finish

125730	*40 or 60	11 $\frac{3}{4}$	8	12		8.00
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Pull switch concealed in body and wired, furnished at \$1.50 additional.

*Medium socket

†Mogul Socket.

**Medium socket regularly furnished. If with Mogul Socket, add \$1.00 to list.

For standard finishes other than specified, add 10 per cent.

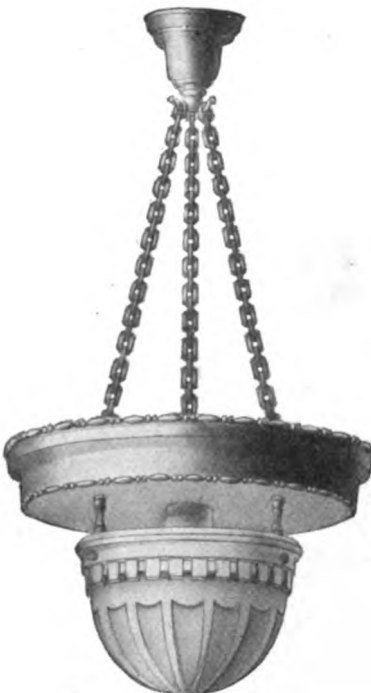
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRASCOLITES

Patented



Type GB



Type HB



Type FB

TYPE FB, CLOSE CEILING STYLE

Reflector, White Enameled Steel
Band, Brush Brass Finish

Trade No.	Size of Lamp Watts	DIMENSIONS, INCHES		Shipping Wt., Lbs.	Price Each
		Outside Diam.	Bowl		
101077	*40 or 60	11	6¼	12	\$11.00
101059	*100 or 200	16	8¼	19	13.50
101060	**200 or 300	19	11½	33	17.75
101061	†400 or 500	23	14½	50	24.50

TYPE GB, WITH SINGLE-CHAIN HANGER

Reflector, White Enameled Steel
Standard Finish, Brush Brass

101078	*40 or 60	11	6¼	17	14.50
101062	*100 or 200	16	8¼	24	17.00
101063	**200 or 300	19	11½	44	22.50
101064	†400 or 500	23	14½	72	29.25

Length, 4 feet. Additional length, per foot, 50 cents.

TYPE HB, WITH THREE-CHAIN HANGER

Reflector, White Enameled Steel
Standard Finish, Brush Brass

101079	*40 or 60	11	6¼	19	15.50
101065	*100 or 200	16	8¼	25	18.00
101066	**200 or 300	19	11½	44	22.75
101067	†400 or 500	23	14½	71	29.50

Length, 4 feet. Additional length, per foot, 50 cents.

*Medium socket.

†Mogul Socket.

**Medium socket regularly furnished. If with Mogul Socket, add \$1.00 to list.

Pull switch concealed in body and wired, furnished at \$1.50 additional.

Types GB and HB are furnished with Brasco hanger and silk covered wire.

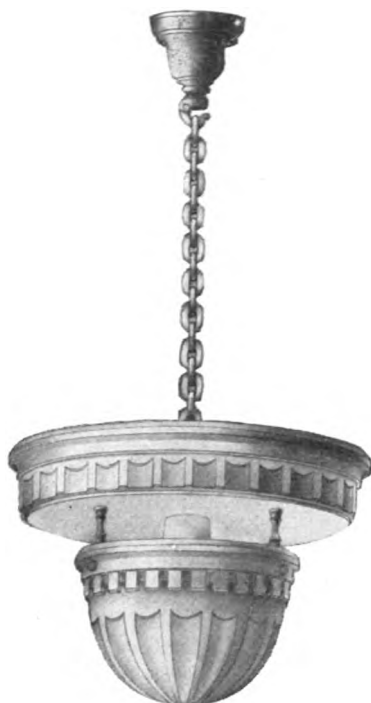
Types GB and HB furnished with one Flambeau Gas Light at \$3.75 additional, or three lights, \$6.00 additional.

For standard finishes other than specified, add 10 per cent.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRASCOLITES

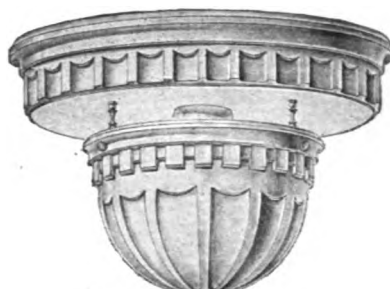
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Type DC



Type EC



Type AC

TYPE AC, CLOSE CEILING STYLE

White Porcelain Reflector
Band Finished Brush Brass

Trade No.	Size of Lamp Watts	DIMENSIONS, INCHES		Shipping Wt., Lbs.	Price Each
		Outside Diam.	Bowl		
101034	*100 or 200	15	8¼	32	\$14.00
101035	**200 or 300	18½	11½	45	20.50

TYPE DC, WITH SINGLE-CHAIN HANGER

White Porcelain Reflector
Band and Hanger, Brush Brass Finish

101036	*100 or 200	15	8¼	39	17.50
101037	**200 or 300	18½	11½	53	25.25

Length, 4 feet. Additional length, per foot, 50 cents.

TYPE EC, WITH THREE-CHAIN HANGER

White Porcelain Reflector
Band and Hanger, Brush Brass Finish

101038	*100 or 200	15	8¼	40	18.50
101039	**200 or 300	18½	11½	50	25.50

Length, 4 feet. Additional length, per foot, 50 cents.

*Medium socket.

**Medium socket regularly furnished. If with Mogul Socket, add \$1.00 to list.

Pull switch concealed in body and wired, furnished at \$1.50 additional.

Types DC and EC are furnished with Brasco hanger and silk covered wire.

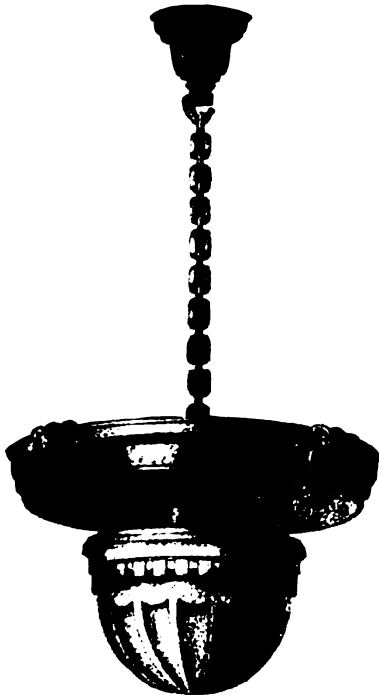
For standard finishes other than specified, add 10 per cent.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRASCOLITES

Patented

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Type JB



Type KB



Type IB

TYPE IB, CLOSE CEILING STYLE

Reflector, White Enameled Steel
Band, Brush Brass Finish

Trade No.	Size of Lamp Watts	DIMENSIONS, INCHES		Shipping Wt., Lbs.	Price Each
		Outside Diam.	Bowl		
101080	*40 or 60	11	6¼	11	\$10.50
101068	*100 or 200	16	8¼	18	13.00
101069	**200 or 300	19	11½	32	16.50
101070	†400 or 500	23	14½	48	22.50

TYPE JB, WITH SINGLE-CHAIN HANGER

Reflector, White Enameled Steel
Standard Finish, Brush Brass

101081	*40 or 60	11	6¼	16	14.00
101071	*100 or 200	16	8¼	23	16.50
101072	**200 or 300	19	11½	43	21.25
101073	†400 or 500	23	14½	69	27.25

Length, 4 feet. Additional length, per foot, 50 cents.

TYPE KB, WITH THREE-CHAIN HANGER

Reflector, White Enameled Steel
Standard Finish, Brush Brass

101082	*40 or 60	11	6¼	18	15.00
101074	*100 or 200	16	8¼	30	17.50
101075	**200 or 300	19	11½	43	21.50
101076	†400 or 500	23	14½	69	27.50

Length, 4 feet. Additional length, per foot, 50 cents.

*Medium socket.

†Mogul Socket.

**Medium socket regularly furnished. If with Mogul Socket, add \$1.00 to list.

Pull switch concealed in body and wired, furnished at \$1.50 additional.

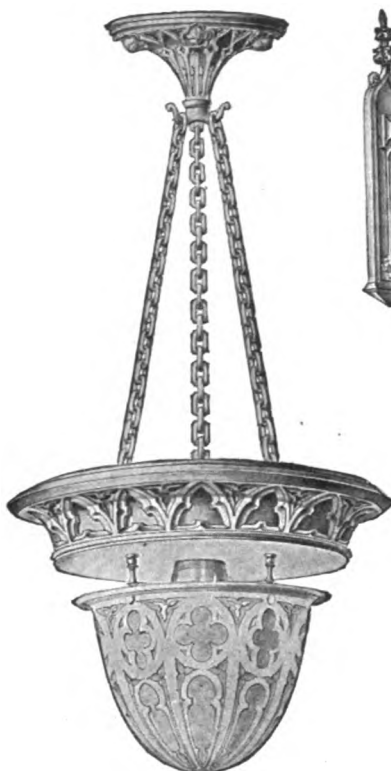
Types JB and KB are furnished with Brasco hanger and silk covered wire.

Types JB and KB furnished with one Flambeau Gas Light at \$3.75 additional, or three lights, \$6.00 additional.

For standard finishes other than specified, add 10 per cent.

BRASCOLITES

Patented



Type YB



Type RB



Type MD

TYPE YB, WITH THREE-CHAIN HANGER

Reflector, White Enameled Steel

Body Compo, Rose Gold Finish

Trade No.	Size of Lamp Watts	DIMEN., INCHES		Shipping Wt., Lbs.	Price Each
		Outside Diam.	Bowl		
133323	* 40 or 60	14	7	42	\$20.00
133324	*100 or 200	17	9	65	27.00
101115	**200 or 300	22	11½	100	36.00
101116	†400 or 500	27	16	155	50.00

Length, 4 feet. Additional length, per foot, 50 cents.

Pull switch concealed in body, \$2.00 additional.

Furnished with ⅜-inch insulating joint, tripod, and silk covered wire.

TYPE RB

Reflector, White Enameled Steel

Bracket Metal, Band Compo, Rose Gold Finish

Trade No.	Size of Lamp Watts	DIMEN., INCHES			Shipping Wt., Lbs.	Price Each
		Exten.	Length	Bowl		
133325	40, 60 or 100	18	26	7	38	\$30.00
101121	100 or 200	20	26	9	40	34.00

Pull switch concealed in body and wired, \$2.00 additional.

TYPE MD

Reflector, White Enameled Steel

Any Standard Finish. Rose Decorated Bowls in Natural Colors

Trade No.	Size of Lamp Watts	DIMEN., INCHES			Shipping Wt., Lbs.	Price Each
		Outside Diam.	Bowl			
133326	*100 or 200	16	12	20		\$18.00
133327	**200 or 300	19	14	35		22.00

TYPE ND

Reflector, White Enameled Steel

Any Standard Finish. Rose Decorated Bowls in Natural Colors

133328	*100 or 200	16	12	20	19.50
133329	**200 or 300	19	14	35	24.50

TYPE KD

Reflector, White Enameled Steel

Body Compo, Rose Gold Finish

133330	* 40 or 60	13	6¼	20	10.00
133331	*100 or 200	16	8¼	40	13.00
133332	**200 or 300	20	11½	75	17.00

Pull switch concealed in body, \$1.50 additional.

*Medium socket.

†Mogul socket.

**Medium socket regularly furnished. If with Mogul socket, add \$1.00 to list.



Type ND



Type KD

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRASCOLITES

Patented



Type CB

TYPE CB

Reflector, White Enameled Steel

White Enamel Finish

Trade No.	Size of Lamp Watts	DIMENSIONS, INCHES		Shipping Wt., Lbs.	Price Each
		Outside Diam.	Bowl		
125745	40 or 60	12	8¼	12	\$10.00
125746	100 or 200	16	11½	21	13.00

Length, 2 feet. Additional length, per foot, 50 cents. Furnished with ⅜-inch insulating joint, tripod, and wire.

Pull switch attached to the body and wired, furnished at \$1.50 additional.



Type LC

TYPE LC, RAILROAD CAR STYLE

Reflector, White Enameled Steel

Body Metal, Brush Brass Finish

125747	*40, 60 or 100	16	8¼	36	19.50
125748	*100, 200 or 250	19	11½	54	24.50

*Medium Socket.

For standard finishes other than specified add 10 per cent.

TYPE LB

Reflector, White Enameled Steel

Band, Any Standard Finish

NOTE: Prices do not include fan.

101117	40 or 60	11	6¼	11	13.00
101124	100 or 200	16	8¼	16	15.50

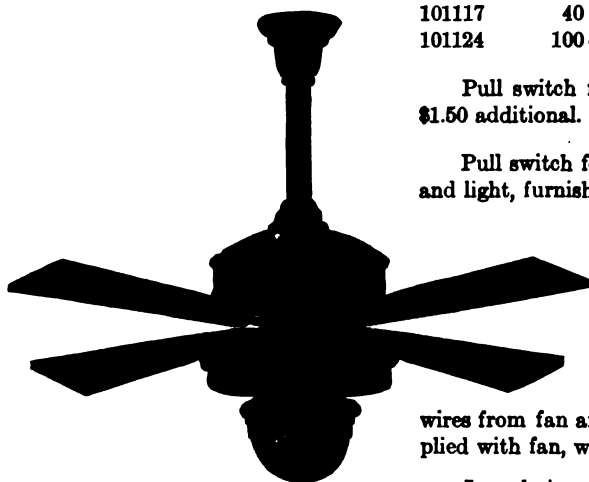
Pull switch for control of light only furnished at \$1.50 additional.

Pull switch for separate control of single speed fan and light, furnished at \$3.00 additional.

Pull switches for separate control of two or three-speed fan and light, furnished at \$4.40 additional.

Pull switches for control of fan are furnished wired with terminals marked ready for connection to wires from fan and replace fan switches regularly supplied with fan, which may be omitted.

In ordering, specify make and type of fan.

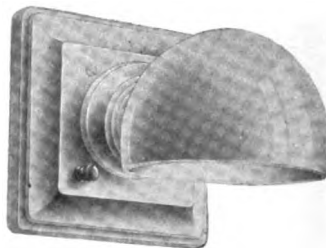
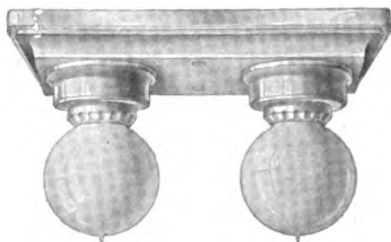
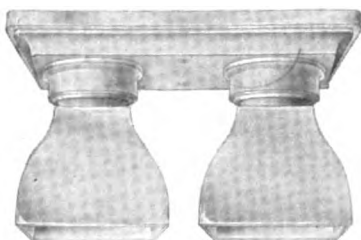
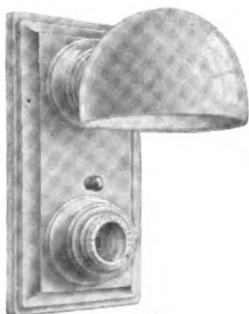


Type LB

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

AGLITE FIXTURES

(Patented)

Nos. S-10487
and S-10488Nos. S-10489
and S-10490Nos. S-10491
and S-10492Nos. S-10493
and S-10494Nos. S-10495
and S-10496Nos. S-10497
and S-10498

Aglite (all glass) fixtures, with their rich marble-like appearance, are the ideal lighting units for use in bathrooms, hospitals or wherever sanitation and cleanliness are essential. All visible parts are made of white glass. They harmonize perfectly with hospital furniture and will not crack, check, discolor or become tarnished.

They are perfectly insulated, rendering them shock proof, thus insuring their selection primarily for the bath or for service conditions where dampness exists.

The method of installing is simple, no insulating joint, canopy insulator or splicing of wires being required.

Trade No.	Mfrs. No.	No. of Receptacles	No. of Shades	Switch	Price Each
112039	S-10487	1	None	Without	\$1.80
112040	S-10488	1	None	With	3.35
112041	S-10489	1	1	Without	2.55
112042	S-10490	1	1	With	4.10
112043	S-10491	1	1	Without	2.65
112044	S-10492	1	1	With	4.20
112045	S-10493	2	None	Without	3.30
112046	S-10494	2	None	With	4.85
112047	S-10495	2	2	Without	5.20
112048	S-10496	2	2	With	6.75
112049	S-10497	2	1	Without	4.20
112050	S-10498	2	1	With	5.75

Prices are for fixtures complete, excepting lamps.

If switch is desired, specify whether turn or pull chain is wanted.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

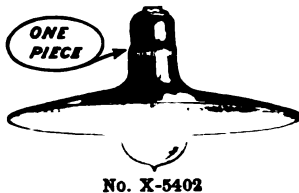
BENJAMIN REFLECTOR SOCKETS

NATIONAL ELECTRICAL CODE STANDARD

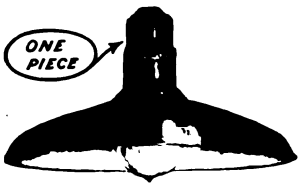
REFLECTOR SOCKETS

These reflector sockets have porcelain enameled reflector as indicated, improved extra heavy separable fitting, and easy-to-wire porcelain socket. Benjamin Lamp Grip furnished if specified. Fittings are tapped for $\frac{1}{2}$ -inch pipe.

Non-separable fitting, tapped $\frac{3}{8}$ inch, or insulated bushing ($\frac{1}{4}$ -inch opening) for lamp cord, may be ordered without extra charge. On account of the free circulation of air permitted, ventilation is unnecessary. To meet special conditions, shallow bowl may be ordered with ventilating openings for indoor use without extra charge; for outdoor use, with protecting hood, at an advance of 20 cents list. Standard finish is green outside.



No. X-5402



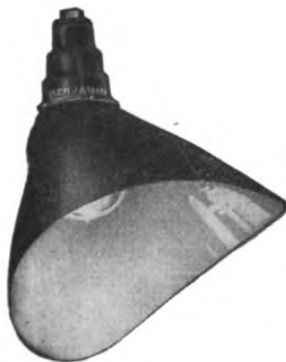
No. X-5423



No. 6168



No. 5602



No. 5527

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FLAT CONE REFLECTORS

Trade No.	Mfr. No.	Reflector Diam., In.	Lamp Size Watts	Price Each
047260	X-5431	14	25, 40, 60	\$2.50
120343	X-5401	14	75	2.50
047263	X-5402	16	100, 150	2.80
047264	X-5403	18	200, 250	3.40
120349	X-5405	20	200, 250	4.00

SHALLOW BOWL REFLECTORS

047261	X-5437	12	25, 40, 60	2.50
120344	X-5421	12	75	2.50
120351	X-5423	14	100	2.80
120352	X-5425	16	150, 200	3.40
047269	X-5427	18	200, 250	4.00
047273	X-5509(Mogul)	18	300, 400, 500	4.20

DEEP BOWL REFLECTORS

Deep bowl reflector sockets Nos. 6166-6172 have ventilated porcelain enameled steel reflectors and easy-to-wire sockets. They are tapped $\frac{1}{2}$ inch, but may be ordered $\frac{3}{8}$ inch or with insulated bushing ($\frac{1}{4}$ -inch opening) without change in price. Benjamin Lamp Grip furnished, if specified. Standard finish is green outside.

27416	X-6166	7	40, 60	2.20
120345	X-6161	8	75	2.30
27417	X-6167	8	100	2.30
27418	X-6168	9	150, 200	2.40
27441	X-6171(Mogul)	11	300	3.60
27438	X-6172(Mogul)	13	400, 500	4.90

CAST IRON REFLECTORS

Designed for railroad and other severe service. Consists of a one-piece cast iron reflector with a two-piece, easy-to-wire porcelain socket, and Benjamin Lamp Grip. Tapped regularly $\frac{1}{2}$ inch but $\frac{3}{4}$ inch furnished without change in price. Standard finish is porcelain white enameled inside, green outside.

120350	5602	12	25, 40, 60, 75	2.50
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ANGLE REFLECTORS

Angle reflector sockets Nos. 5522-5527 have elliptical enameled steel reflector and two-piece, easy-to-wire porcelain socket with Benjamin Lamp Grip. Vertical fittings furnished tapped $\frac{1}{2}$ inch; $\frac{3}{4}$ or 1 inch at an additional price of 15 cents list. Corresponding size angle fitting furnished without change in price. Standard finish is black outside.

Trade No.	Mfr. No.	SIZE OF REFLECTOR, In. Height	Diam.	Lamp Size Watts	Price Each
27437	5522	11 $\frac{3}{8}$	8 $\frac{1}{2}$ x13 $\frac{1}{2}$	60, 75	\$2.80
27434	5525	13 $\frac{3}{8}$	8 $\frac{1}{2}$ x13 $\frac{1}{2}$	100, 200	3.00
27435	5527	17 $\frac{1}{2}$	14 x20	200, 250	6.00

Pull chain medium base sockets with lamp grip supplied with medium base reflector sockets above at an additional price of 60 cents list.

Prices are less wires and lamps.

BENJAMIN SHADE HOLDER REFLECTORS



Type B Holder
for Standard
Brass Shell
Sockets



Type C Holder
for Standard
Brass Shell
Sockets



Type N Neck
for 2 1/4-inch Standard
Form O Shade
Holders



Type P Holder
for Standard
Porcelain
Sockets



Type S Holder
for Benjamin
Screw Threaded
Devices

Benjamin shade holder reflectors constitute a scientifically designed metal line with built-in holders, shown in detail above. Usually the holders are attached direct, but in some cases a copper extension is inserted to position the lamp accurately.

Type B screw clamp holders are regularly furnished for brass sockets. Type C quick-attachable, brass cam holders may be ordered at an additional price of 2 cents list. Two reflector finishes are provided: Porcelain enameled steel, for weatherproof work and all-round durability; and aluminized steel, for interior installations.

Reflectors with Type S holders are susceptible to a great variety of applications.

Ventilation of reflectors for 60-watt lamps and smaller, except Type S, is provided by usual openings in the shade holders. All reflectors for 100-watt lamps and larger, except where noted in listing, have ventilating openings in the neck. Enameled steel Type S reflectors for outdoor use will be furnished less openings, when specified, without change in price, or with cap to shield ventilating openings at an additional price of 20 cents list.



With Type B Holder



With Type N Neck



With Type P Holder



With Type S Holder

SHALLOW BOWL—DISTRIBUTING

PORCELAIN ENAMELED STEEL

With Type B Holder for Brass Shell Sockets

Trade No.	Mfrs. No.	Reflector Diam., In.	Lamp Size Watts	Price Each
106183	11020B	8	10, 20	\$0.97
106184	11040B	10	25, 40	1.08
106185	11060B	12	40, 60	1.25
106220	11075B	12	75	1.50
106186	11100B	15	100	1.97
106188	11200B	15	200	2.00

With Type N Neck for Standard 2 1/4-inch Shade Holders

106190	11020N	8	10, 20	.88
106191	11040N	10	25, 40	.98
106192	11060N	12	40, 60	1.16
106221	11075N	12	75	1.40
106193	11100N	15	100	1.96
106195	11200N	15	200	1.96

With Type P Holder for Porcelain Sockets

106197	11020P	8	10, 20	1.02
106198	11040P	10	25, 40	1.14
106199	11060P	12	40, 60	1.20
106222	11075P	12	75	1.50
106200	11100P	15	100	2.10
106202	11200P	15	200	2.10

With Type S Holder for Benjamin Screw Thread Sockets and Fixtures

106204	*11020S	8	10, 20	1.00
106205	*11040S	10	25, 40	1.10
106206	*11060S	12	40, 60	1.25
106223	11075S	12	75	1.50
106207	11100S	15	100	2.00
106209	11200S	15	200	2.00
106219	11300S (Mogul)	18	300	3.00

*Not ventilated.

Benco keyless and pull chain sockets, unit shell threaded sockets, and Benjamin outlet box fittings are for use with Type S reflectors.

Standard reflector finish is green outside. Holders have natural finish as follows: Types B and C, brass; Types N, P and S, copper.

Quotations made on reflectors for 150 and 250-watt Mazda B lamps.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN SHADE HOLDER REFLECTORS

PORCELAIN ENAMELED STEEL

DEEP BOWL—EXTENSIVE

Extensive Reflector
with Type B Holder

With Type B Holder for Brass Shell Sockets

Trade No.	Mfrs. No.	Reflector Diam., In.	Lamp Size Watts	Price Each
106362	12040 B	6½	25, 40	\$0.86
106363	12060 B	7½	60	1.02
106412	12075 B	8½	75	1.22
106364	12100 B	8½	100	1.25
106366	12200 B	8½	200	1.70

With Type N Neck for Standard 2¼-inch Shade Holders

106374	12040 N	6½	25, 40	.78
106375	12060 N	7½	60	.94
106413	12075 N	8½	75	1.12
106376	12100 N	8½	100	1.16
106378	12200 N	8½	200	1.64

With Type P Holder for Porcelain Sockets

106386	12040 P	6½	25, 40	.90
106387	12060 P	7½	60	1.08
106414	12075 P	8½	75	1.26
106388	12100 P	8½	100	1.30
106390	12200 P	8½	200	1.76

Extensive Reflector
with Type S Holder

With Type S Holder for Benjamin Screw Thread Sockets and Fixtures

106398	*12040 S	6½	25, 40	.90
106399	*12060 S	7½	60	1.00
106415	12075 S	8½	75	1.20
106400	12100 S	8½	100	1.25
106402	12200 S	8½	200	1.75

ANGLE

With Type B Holder for Brass Shell Sockets

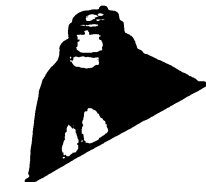
106484	15040 B	6½	25, 40	1.26
106485	15060 B	8	60	1.42
106416	15075 B	8	75	1.56
106486	15100 B	10	100	2.00
106487	15200 B	10	200	2.10

With Type N Neck for Standard 2¼-inch Shade Holders

106496	15040 N	6½	25, 40	1.16
106497	15060 N	8	60	1.32
106417	15075 N	8	75	1.46
106498	15100 N	10	100	1.96
106499	15200 N	10	200	2.06

With Type P Holder for Porcelain Sockets

106508	15040 P	6½	25, 40	1.30
106509	15060 P	8	60	1.48
106418	15075 P	8	75	1.62
106510	15100 P	10	100	2.10
106511	15200 P	10	200	2.20

Angle Reflector
with Type B HolderAngle Reflector
with Type S Holder

With Type S Holder for Benjamin Screw Thread Sockets and Fixtures

106520	*15040 S	6½	25, 40	1.26
106521	*15060 S	8	60	1.42
106419	15075 S	8	75	1.56
106522	15100 S	10	100	2.00
106523	15200 S	10	200	2.10

*Not ventilated.

Type B screw clamp holders are regularly furnished for brass sockets. Type C quick-attachable, brass cam holders supplied at an additional price of 2 cents list. Benco keyless and pull chain sockets, unit shell threaded sockets, Benjamin outlet box fittings, and threaded ceiling fixtures are equipped with screw thread for attaching Type S reflectors.

Standard finish on above reflectors is green outside. Holders have natural finish and are furnished as follows: Types B and C, brass; Types N, P and S, copper.

Quotations made on reflectors for 150 and 250-watt Mazda B lamps.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN SHADE HOLDER REFLECTORS

ALUMINIZED STEEL—DEEP BOWL



With Type B Holder

WITH TYPE B HOLDER FOR BRASS SHELL SOCKETS

Extensive Distribution				
Trade No.	Mfrs. No.	Reflector Diam., In.	Lamp Size Watts	Price Each
106423	22060 B	7 $\frac{1}{4}$	60	\$0.80
106473	22075 B	8 $\frac{1}{4}$	75	.94
106424	22100 B	8 $\frac{1}{4}$	100	.97
106426	22200 B	8 $\frac{1}{4}$	200	1.20
Intensive Distribution				
106429	23060 B	7 $\frac{1}{4}$	60	.80
106474	23075 B	8 $\frac{1}{4}$	75	.94
106430	23100 B	8 $\frac{1}{4}$	100	.97
106432	23200 B	8 $\frac{1}{4}$	200	1.20



With Type N Neck

WITH TYPE N NECK FOR STANDARD 2 $\frac{1}{2}$ ' SHADE HOLDERS

Extensive Distribution				
Trade No.	Mfrs. No.	Reflector Diam., In.	Lamp Size Watts	Price Each
106434	22040 N	6 $\frac{1}{4}$	25, 40	.60
106435	22060 N	7 $\frac{1}{4}$	60	.70
106475	22075 N	8 $\frac{1}{4}$	75	.85
106436	22100 N	8 $\frac{1}{4}$	100	.88
106438	22200 N	8 $\frac{1}{4}$	200	1.10
Intensive Distribution				
106440	23040 N	6 $\frac{1}{4}$	25, 40	.60
106441	23060 N	7 $\frac{1}{4}$	60	.70
106476	23075 N	8 $\frac{1}{4}$	75	.85
106442	23100 N	8 $\frac{1}{4}$	100	.88
106444	23200 N	8 $\frac{1}{4}$	200	1.10



With Type P Holder

WITH TYPE P HOLDER FOR PORCELAIN SOCKETS

Extensive Distribution				
Trade No.	Mfrs. No.	Reflector Diam., In.	Lamp Size Watts	Price Each
106447	22060 P	7 $\frac{1}{4}$	60	.84
106477	22075 P	8 $\frac{1}{4}$	75	.98
106448	22100 P	8 $\frac{1}{4}$	100	1.02
106450	22200 P	8 $\frac{1}{4}$	200	1.26
Intensive Distribution				
106453	23060 P	7 $\frac{1}{4}$	60	.84
106478	23075 P	8 $\frac{1}{4}$	75	.98
106454	23100 P	8 $\frac{1}{4}$	100	1.02
106456	23200 P	8 $\frac{1}{4}$	200	1.26

WITH TYPE S HOLDER FOR BENJAMIN SCREW THREAD SOCKETS AND FIXTURES

Extensive Distribution				
Trade No.	Mfrs. No.	Reflector Diam., In.	Lamp Size Watts	Price Each
106458	*22040 S	6 $\frac{1}{4}$	25, 40	.70
106459	*22060 S	7 $\frac{1}{4}$	60	.80
106479	22075 S	8 $\frac{1}{4}$	75	.94
106460	22100 S	8 $\frac{1}{4}$	100	1.00
106462	22200 S	8 $\frac{1}{4}$	200	1.20
Intensive Distribution				
106464	*23040 S	6 $\frac{1}{4}$	25, 40	.70
106465	*23060 S	7 $\frac{1}{4}$	60	.80
106480	23075 S	8 $\frac{1}{4}$	75	.94
106466	23100 S	8 $\frac{1}{4}$	100	1.00
106468	23200 S	8 $\frac{1}{4}$	200	1.20

*Not ventilated.

Type B screw clamp holders are regularly furnished for brass sockets. Type C quick-attachable, brass cam holder supplied at an additional price of 2 cents list. Benco keyless and pull chain sockets, unit shell threaded sockets, Benjamin outlet box fittings, and threaded ceiling fixtures are equipped with screw thread for attaching Type S reflectors.

Standard finish on above reflectors is green outside. Holders have natural finish and are furnished as follows: Types B and C, brass; Types N, P and S, copper.



With Type S Holder

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN SHADE HOLDER REFLECTORS

ALUMINIZED STEEL

FOCUSING

With Type B Holder for Brass Shell Sockets

Focusing Reflector
with Type B Holder

Trade No.	Mfrs. No.	Reflector Diam., In.	Lamp Size Watts	Price Each
106571	24060 B	8	25, 60	\$0.80
106531	24075 B	8	75	.94
106572	24100 B	10	100	1.20

With Type N Neck for Standard 2¼-inch Shade Holders

106576	24060 N	8	25, 60	.70
106532	24075 N	8	75	.85
106577	24100 N	10	100	1.10

With Type P Holder for Porcelain Sockets

106581	24060 P	8	25, 60	.86
106533	24075 P	8	75	.98
106582	24100 P	10	100	1.26

Focusing Reflector
with Type S Holder

With Type S Holder for Benjamin Screw Thread Sockets and Fixtures

106586	*24060 S	8	25, 60	.80
106534	24075 S	8	75	.94
106587	24100 S	10	100	1.20

ANGLE

With Type B Holder for Brass Shell Sockets

106490	25040 B	6½	25, 40	.57
106491	25060 B	8	60	.80
106535	25075 B	8	75	.94
106492	25100 B	10	100	1.24
106493	25200 B	10	200	1.36

Angle Reflector
with Type B Holder

With Type N Neck for Standard 2¼-inch Shade Holders

106502	25040 N	6½	25, 40	.48
106503	25060 N	8	60	.70
106536	25075 N	8	75	.85
106504	25100 N	10	100	1.20
106505	25200 N	10	200	1.30

With Type P Holder for Porcelain Sockets

106514	25040 P	6½	25, 40	.62
106515	25060 P	8	60	.84
106537	25075 P	8	75	.98
106516	25100 P	10	100	1.36
106517	25200 P	10	200	1.46

Angle Reflector
with Type S Holder

With Type S Holder for Benjamin Screw Thread Sockets and Fixtures

106526	*25040 S	6½	25, 40	.60
106527	*25060 S	8	60	.80
106538	25075 S	8	75	.94
106528	25100 S	10	100	1.26
106529	25200 S	10	200	1.36

*Not ventilated.

Type B screw clamp holders are regularly furnished for brass sockets. Type C quick-attachable, brass cam holders supplied at an additional price of 2 cents list. Benco keyless and pull chain sockets, unit shell threaded sockets, Benjamin outlet box fittings, and threaded ceiling fixtures are equipped with screw thread for attaching Type S reflectors.

Standard finish on above reflectors is green outside. Holders have natural finish and are furnished as follows: Types B and C, brass; Types N, P and S, copper.

Quotations made on reflectors for 150 and 250-watt Mazda B lamps.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

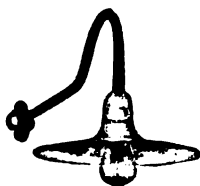
BENJAMIN REFLECTOR SOCKET FIXTURES

SOCKETS ARE NATIONAL ELECTRICAL CODE STANDARD

Fixtures consist of reflector sockets completed by the addition of suspensions. Benjamin Lamp Grip will be furnished without extra charge, if specified. Standard reflector finish is green outside. Iron parts are galvanized. Brass parts are finished brushed.

BRACKET FIXTURES

Nos. 5412-5521 have reflector socket, gooseneck bracket of ½-inch pipe overhanging 30 inches, and wall fitting. For 48-inch gooseneck of ¾-inch iron pipe, overhanging 40 inches, and pole fitting, add 40 cents list.

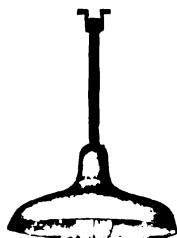


No. 5412

		Flat Cone Reflectors		Lamp Size Watts	Price Each
Trade No.	Mfrs. No.	Reflector Diam., In.			
047274	5443	14		25, 40, 60	\$3.40
047277	5412	16		100, 150	3.70
047278	5413	18		200, 250	4.30
120622	5415	20		200, 250	4.90
		Shallow Bowl Reflectors		Lamp Size Watts	Price Each
Trade No.	Mfrs. No.	Reflector Diam., In.			
106234	5449	12		25, 40, 60	3.40
120611	5420	14		100	3.70
120612	5422	16		150, 200	4.30
047283	5424	18		200, 250	4.90
120613	5521 Mogul	18		300, 400, 500	5.10

PENDENT FIXTURES

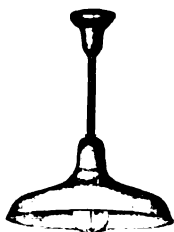
Nos. 6005-6149 have reflector socket, 12-inch stem of ¾-inch iron pipe and shock absorber. Additional length stems list at 20 cents per foot. For absorber with either top strap or suspension loop add 5 cents list. No. 6031 fitting will be substituted at an advance of 35 cents list.



No. 6063

		Flat Cone Reflectors		Lamp Size Watts	Price Each
Trade No.	Mfrs. No.	Reflector Diam., In.			
047302	6005	14		25, 40, 60	3.00
047305	6053	16		100, 150	3.30
047306	6055	18		200, 250	3.90
106240	6057	20		200, 250	4.50
		Shallow Bowl Reflectors		Lamp Size Watts	Price Each
Trade No.	Mfrs. No.	Reflector Diam., In.			
047303	6007	12		25, 40, 60	3.00
120614	6061	14		100	3.30
120615	6063	16		150, 200	3.90
047311	6065	18		200, 250	4.50
120616	6149 Mogul	18		300, 400, 500	4.70

Nos. 6025-6139 have reflector socket, 12-inch stem of ¾-inch brass tubing, 5x4-inch canopy, and crowfoot. Additional length stems list at 30 cents per foot.



No. 6047

		Flat Cone Reflectors		Lamp Size Watts	Price Each
Trade No.	Mfrs. No.	Reflector Diam., In.			
047288	6025	14		25, 40, 60	3.30
047291	6037	16		100, 150	3.60
047292	6038	18		200, 250	4.20
120623	6039	20		200, 250	4.80
		Shallow Bowl Reflectors		Lamp Size Watts	Price Each
Trade No.	Mfrs. No.	Reflector Diam., In.			
047289	6027	12		25, 40, 60	3.30
120617	6046	14		100	3.60
120618	6047	16		150, 200	4.20
047297	6048	18		200, 250	4.80
106238	6139 Mogul	18		300, 400, 500	5.00

Pull chain medium base sockets with lamp grip may be ordered at an advance of 60 cents list.

ELLIPTICAL ANGLE REFLECTORS

No. 5525 has enameled steel reflector and hood. Size makes ventilation unnecessary. Nos. 5536-5538 have enameled steel reflector and copper hood properly ventilated. All have two-piece, easy-to-wire porcelain socket with Benjamin Lamp Grip. Height dimensions include vertical fitting tapped ½ inch, ¾ or 1 inch may be ordered at an advance of 15 cents list.

Angle fittings may be substituted. Standard finish is black.



No. 5536

Trade No.	Mfrs. No.	Height Fixture, In.	Diam. of Reflector, In.	Lamp Size Watts	Price Each
27434	5525	14	8½x13½	100, 200	\$3.00
120619	5536	17½	14 x20	200	6.00
120620	5537	19	14 x20	300, 400, 500	6.50
120621	5538	21½	14 x20	750, 1000	6.80

Prices are less wires and lamps.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN INDUSTRIAL FIXTURES

SOCKETS ARE NATIONAL ELECTRICAL CODE STANDARD
FOR MAZDA C LAMPS



No. 6129



No. 6130



No. 6109



No. 6274



No. 6179

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

The fixtures listed below have enameled steel reflector as indicated, and either ventilated head or skeleton holder. They all have two-piece, easy-to-wire porcelain socket with Benjamin Lamp Grip. Reflectors are easily removed to facilitate wiring. Hoods and holders are tapped $\frac{1}{2}$ inch. For $\frac{3}{4}$ -inch add 10 cents list; for 1 or $1\frac{1}{4}$ -inch add 15 cents list. For fixture with $\frac{1}{2}$ -inch suspension fitting No. 6031M add 65 cents list; with fitting No. 6049M, add 80 cents list.

FIXTURES WITH SHALLOW BOWL REFLECTORS

Trade No.	Mfrs. No.	Description	Reflector Size, In.	Lamp Size Watts	Price Each
120478	6134	Copper hood	16	200	\$5.00
120479	6135	Steel hood	16	200	4.40
87263	6126	Copper hood	18	300, 400, 500	5.90
87264	6127	Steel hood	18	300, 400, 500	5.20
87265	6128	Copper hood	20	750, 1000	8.25
87266	6129	Steel hood	20	750, 1000	7.10

FIXTURES WITH REFLECTORS AND SKELETON HOLDERS

Fixtures Nos. 6115-6230 have special skeleton holder and reflector as indicated. They are intended for service where hood is unnecessary and a maximum amount of ventilation is desired.

120480	6115	Shallow bowl	16	200	4.00
87275	6125	Shallow bowl	18	300, 400, 500	4.60
87276	6130	Shallow bowl	20	750, 1000	6.00
120481	6228	Flat cone	16	200	4.00
120482	6229	Flat cone	18	300, 400, 500	4.60
120483	6230	Flat cone	20	750, 1000	5.00

FIXTURES WITH FLAT CONE REFLECTORS

120484	6144	Copper hood	16	200	5.00
120485	6145	Steel hood	16	200	4.40
120486	6146	Copper hood	18	300, 400, 500	5.70
120487	6148	Steel hood	18	300, 400, 500	5.00
120488	6108	Copper hood	20	750, 1000	6.90
120489	6109	Steel hood	20	750, 1000	5.70

FIXTURES WITH DEEP BOWL REFLECTORS

120490	6265	Copper hood	12	200	4.30
120491	6266	Steel hood	12	200	3.80
120492	6267	Copper hood	12	300, 400, 500	4.80
120493	6268	Steel hood	12	300, 400, 500	4.00
87269	6273	Copper hood	15	750, 1000	6.70
87270	6274	Steel hood	15	750, 1000	5.60
120494	6222	Skeleton holder	12	200	3.40
120495	6223	Skeleton holder	12	300, 400, 500	3.50
120496	6224	Skeleton holder	15	750, 1000	4.70

FIXTURES WITH FLUTED BOWL REFLECTORS

Fixtures Nos. 6066-6227 have a highly efficient deep bowl fluted reflector. An increased diffusing and reflecting surface is secured, and the light distributed without being intercepted by the bulb. A loss of approximately 12 per cent through bulb absorption is thus eliminated.

120497	6066	Copper hood	14	200	5.90
120498	6067	Steel hood	14	200	5.40
120499	6068	Copper hood	14	300, 400, 500	6.40
120500	6069	Steel hood	14	300, 400, 500	5.60
120501	6178	Copper hood	17	750, 1000	7.80
120502	6179	Steel hood	17	750, 1000	6.70
120503	6225	Skeleton holder	14	200	4.90
120504	6226	Skeleton holder	14	300, 400, 500	5.00
120505	6227	Skeleton holder	17	750, 1000	5.90

Standard finish is black enamel.
Prices are less wires and lamps.

BENJAMIN OUTDOOR FIXTURES

SOCKETS AND CLUSTERS ARE NATIONAL ELECTRICAL CODE STANDARD



No. 6031M



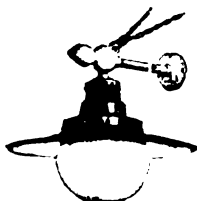
No. 6049M



No. 5105



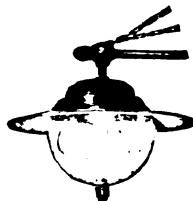
No. 6113



No. 5116



No. T-74



No. T-714

WEATHERPROOF FIXTURES WITH LOOP SUSPENSIONS

Fixtures Nos. 5103-5106 have ventilated hood and ball globe together with two-piece, easy-to-wire porcelain socket with Benjamin Lamp Grip. The method of hooding protects the lamp from rain and snow. Globe offers especially good diffusion. Fixture support is independent of socket. Copper units have thumbscrews equipped with locknuts.

Hoods are tapped $\frac{1}{2}$ inch, but $\frac{3}{4}$ inch may be ordered at an advance of 10 cents list; 1 or $1\frac{1}{4}$ inches at an advance of 15 cents list. For No. 6031M fitting add 65 cents list; for No. 6049M, 80 cents list. For reflectors, see fixtures below.

Trade No.	Mfrs. No.	Description	Size of Globe, In.	Lamp Size Watts	Price Each
92001	5103	Copper hood	10x6	300, 400, 500	\$6.65
92002	5104	Steel hood	10x6	300, 400, 500	4.35
92003	5105	Copper hood	12x8	750, 1000	7.15
92004	5106	Steel hood	12x8	750, 1000	4.85

WEATHERPROOF FIXTURES WITH GOOSENECKS

Fixtures Nos. 5113-6114 have $\frac{3}{4}$ x40-inch gooseneck added, together with No. 5031 pole fitting with porcelain wire openings. For natural copper finish on hood deduct 15 cents list.

Trade No.	Mfrs. No.	Description	Size of Globe, In.	Lamp Size Watts	Price Each
92005	5113	Copper hood	10x6	300, 400, 500	\$8.15
92006	5114	Steel hood	10x6	300, 400, 500	5.85
91995	6113	Copper hood	12x8	750, 1000	8.65
91996	6114	Steel hood	12x8	750, 1000	6.35

WEATHERPROOF FIXTURES WITH BRACKETS

Fixtures Nos. 5116-6119 have enameled steel reflector and 3-foot mast arm of $\frac{3}{4}$ -inch pipe with head, chains and No. 5031 pole fitting having porcelain wire openings. For fixtures less mast arm and fitting deduct \$2.40 list.

Reflectors only list as follows: 15-inch, \$2.00; 18-inch, for 10x6-inch globe; \$2.60; 20-inch, \$3.00.

Trade No.	Mfrs. No.	Description	Reflector Size, Inches	Globe Size, Inches	Lamp Size Watts	Price Each
92007	5116	Copper hood	15	10x6	300, 400, 500	\$12.05
92008	5117	Steel hood	15	10x6	300, 400, 500	9.75
91999	6118	Copper hood	20	12x8	750, 1000	12.55
92000	6119	Steel hood	20	12x8	750, 1000	10.25

Globes are regularly furnished with hole in bottom, but may be ordered without hole, or stalactite globes may be substituted without change in price. They list as follows: 10x6-inch, \$2.50; 12x8-inch, \$3.00. Standard finish on fixtures is black enamel. Iron parts are galvanized. Prices are less wires and lamps.

CLUSTER STREET LIGHTS

Fixtures Nos. T-74-T-764 have 20-inch high-grade porcelain enameled steel reflector and clear globe. Above the reflector is the body portion of copper, metal cross-arm with porcelain knobs, weatherproof porcelain connecting block and suspension loop. Globe may be removed or suspended and held in position by means of a rod passing through the hollow support. An inside white enameled steel reflector assists in the downward radiation of light. Fixture is wired. Benjamin Lamp Grip will be incorporated at an advance of 5 cents list per outlet.

Trade No.	Mfrs. No.	No. of Lights	Reflector Size, Inches	Globe Size, Inches	Lamp Size Watts	Price Each
038922	T-74	4	20	$11\frac{1}{4}$ x10 $\frac{1}{2}$	100	\$14.00
038923	T-75	5	20	$11\frac{1}{4}$ x10 $\frac{1}{2}$	100	14.30
038924	T-744	4	20	Less globe	100, 200	11.50
038925	T-745	5	20	Less globe	100, 200	11.80
27663	T-764	4	20	$12\frac{3}{4}$ x11	200	14.50

Fixtures Nos. T-714-T-774 have 3-foot mast arm of $\frac{3}{4}$ -inch iron pipe with wires, head, flange and chain. Extra length arms up to 8 feet, including chain and wire, list at 70 cents per foot. Reflector and globe are as described above.

Trade No.	Mfrs. No.	No. of Lights	Reflector Size, Inches	Globe Size, Inches	Lamp Size Watts	Price Each
038926	T-714	4	20	$11\frac{1}{4}$ x10 $\frac{1}{2}$	100	14.00
038927	T-715	5	20	$11\frac{1}{4}$ x10 $\frac{1}{2}$	100	14.30
038928	T-724	4	20	Less mast arm	100	11.00
038929	T-725	5	20	Less mast arm	100	11.30
27664	T-774	4	20	$12\frac{3}{4}$ x11	100, 200	14.50

Iron parts are galvanized. Prices are less lamps.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN FIXTURES

SOCKETS ARE NATIONAL ELECTRICAL CODE STANDARD

GAS AND VAPOR-PROOF FIXTURES

With Flat Cone Reflector

Fixtures Nos. 1553-1558 consist of cast iron hood tapped for 1/2-inch stem, two-piece, easy-to-wire porcelain receptacle with Benjamin Lamp Grip, screw-threaded enclosing globe, aluminum globe holder and reflector as indicated. A special gasket between globe and hood makes the fixture tight.

Trade No.	Mfrs. No.	Reflector Size, In.	Diam. of Globe, In.	Lamp Size Watts	Price Each
27659	1553	15	4	25, 40, 60	\$4.00
27660	1555	16	5	100	5.00
27661	1557	18	6 1/2	150	6.00
27665	1558	18	8	200, 250	6.50

With Shallow Bowl Reflector

Fixtures Nos. 1578-1580 are the same as above, with shallow bowl porcelain enameled steel reflector substituted. No. 1580 is for Mazda C lamps only.

120516	1578	15	5	100	5.50
120517	1579	16	8	150, 200, 250	6.50
120518	1580 Mogul	18	10	300, 400, 500	7.50

Without Reflector

Fixtures Nos. 1563-1570 are without reflectors, otherwise the same as above. No. 1570 is for Mazda C lamps only.

Trade No.	Mfrs. No.	Diam. of Globe, In.	Lamp Size Watts	Price, Each Globe only	Complete
27666	1563	4	25, 40, 60	\$0.50	\$2.20
27667	1565	5	100	.80	3.20
120519	1566	6 1/2	150	1.50	3.50
120520	1568	8	150, 200, 250	2.00	4.00
120521	1570 Mogul	10	300, 400, 500	2.50	4.50

For standard stem for above fixtures with suspension fitting No. 6028 and with wires sealed in, add 85 cents to list.

MOISTURE-PROOF FIXTURES

Fixtures Nos. 617-631 are moisture-proof units consisting of weather-proof porcelain-lined socket, non-corroding globe holder, special gasket and screw-threaded enclosing globe. Bushing tapped for 1/2-inch stem. For Benjamin Lamp Grip add 10 cents list.

Trade No.	Mfrs. No.	Size GLOBE, IN.	Color of Globe	Lamp Size Watts	Price, Each Globe only	Complete
120522	617	3 1/4 4 1/4	Clear	25, 40	\$0.40	\$1.30
120523	628	4 5	Clear	40, 60	.50	1.50
120524	630	5 6	Clear	100	.80	1.90
120525	631	4 5	Ruby	40, 60	2.40	3.40
120526	1415	Screw wire guard for 4x5-in. globe.				1.00

Moisture-proof outlet box units Nos. 634-648 have galvanized cast iron outlet box with pipe openings tapped either 1/2 or 3/4-inch, as specified, non-corroding globe holder, screw-threaded deep enclosing globe and porcelain receptacle. A special gasket renders the fixture moisture-tight. Prices apply to two-way outlet box; for three-way box add 10 cents list; for four-way add 20 cents list.

120527	634	4 5	Clear	25, 40, 60	.50	1.50
120528	646	5 6	Clear	100	.80	1.90
120529	647	4 5	Ruby	25, 40, 60	2.40	3.40
120530	648	Two-way box, less globe and holder.				.80
120526	1415	Screw wire guard for 4x5-in. globe.				1.00

Fixtures Nos. T-100-T-250 have porcelain-lined socket with copper hood re-enforcing the socket shell, porcelain enameled steel reflector, clear globe, 1/2x30-inch gooseneck and wall or pole fitting. Wall fitting is regularly supplied. For fixture less gooseneck and fitting deduct 90 cents list.

Trade No.	Mfrs. No.	Size, INCHES Reflector Globe	Lamp Size Watts	Price, Each Glass only	Complete
120531	T-100	15 8x5	25 to 100	\$1.00	\$5.50
120532	T-250	18 10x6	100, 200	1.70	7.00

Iron parts are galvanized. Prices are less wires and lamps.



No. 1555



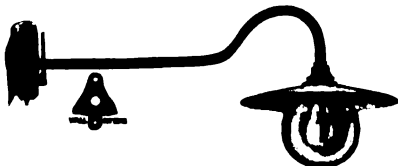
No. 1566



No. 628



No. 634



No. T-250

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN OUTDOOR FIXTURES

SOCKETS ARE NATIONAL ELECTRICAL CODE STANDARD

MULTIPLE STREET UNITS

Fixtures Nos. 802-807 are standard reflector sockets with flat cone reflector, metal cross-arm, porcelain knobs, separable connection with weatherproof outlet for line wires, and lamp grip. Top of fitting is tapped for 1/2-inch iron pipe. They are intended for outdoor lighting on low voltage multiple circuits. For fixture with shock absorber add 10 cents to list. Iron parts are galvanized.



No. 802

Trade No.	Mfra. No.	Reflector Size, In.	Lamp Size Watts	Price Each
27673	802	14	25, 40, 60	\$3.30
27674	803	16	100, 150	3.60
27675	804	18	200, 250	4.20
27670	807	20	200, 250	4.80

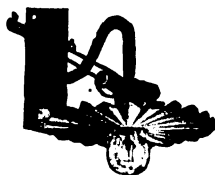


No. 815

Fixtures Nos. 814-819 are substantially those described above, except that they have special fitting for center suspension. The latter is provided with porcelain outlets for line wires. Other specifications there given apply.

Trade No.	Mfra. No.	Reflector Size, In.	Lamp Size Watts	Price Each
27678	814	14	25, 40, 60	3.80
27679	815	16	100, 150	4.10
27680	816	18	200, 250	4.70
27671	819	20	200, 250	5.30

Fixtures Nos. 1204-1207 have covered radial wave enameled steel reflector. Form for concealed wiring has cast iron top, less knobs, intended for wires passing through gooseneck. Fixture for open wiring has cast iron top and cross-arm with porcelain knobs, as shown. For fixture less 3/4x40-inch gooseneck and pole fitting, deduct \$1.30 list. Iron parts are galvanized.



No. 1206

Trade No.	Mfra. No.	Reflector Size, In.	Kind of Wiring	Lamp Size Watts	Price Each
27672	1204	18	Concealed	100, 200	\$6.30
120537	1205 Mogul	18	Concealed	300, 400, 500	6.80
120538	1206	18	Open	100, 200	6.80
120539	1207 Mogul	18	Open	300, 400, 500	7.30

MULTIPLE AND SERIES STREET UNITS

Multiple

Fixtures Nos. 1200-1203 are intended for low voltage multiple circuits. They have cast iron top and two-piece, easy-to-wire porcelain socket with Benjamin Lamp Grip. A two-way enameled steel reflector distributes the light effectively in the direction of traffic. Regularly tapped 1/2 inch, but supplied 3/4 inch without advance in price. Open wiring form includes fitting shown in cut above. Standard finish is black enamel.



No. 1224

Trade No.	Mfra. No.	Reflector Size, In.	Kind of Wiring	Lamp Size Watts	Price Each
120540	1200	20	Concealed	100, 200	7.00
120541	1201 Mogul	20	Concealed	300, 400, 500	7.50
120542	1202	20	Open	100, 200	7.50
120543	1203 Mogul	20	Open	300, 400, 500	8.00

Series

Fixtures Nos. 1224-1225 have two-way reflector as above, but with ventilated copper hood in place of cast iron cap and have porcelain series film cut-out socket with lamp grip. Hood is tapped for 3/4-inch fitting; for 1 or 1 1/4-inch add 10 cents list.



No. 6049V

Trade No.	Mfra. No.	Reflector Size, In.	Amperes	Lamp Size, Candle Power	Price Each
120544	1224	20	7.5	60, 80, 100	9.40
120545	1225	20	7.5	250, 400, 600	9.70

SERIES STREET UNITS

Fixtures Nos. 1342-1343 have enameled steel radial wave reflector, ventilated hood tapped 3/4 inch and porcelain series film cut-out socket with lamp grip. For fixture with No. 6049V fitting add 80 cents list. Fixtures Nos. 1346-1347 are the same, with the addition of three-point suspension fitting with 3/4-inch bushing, permitting cable attachment for lowering. Finish is black enamel.



No. 1342

Trade No.	Mfra. No.	Reflector Size, In.	Amperes	Lamp Size Watts	Price Each
120546	1342	18	7.5	60, 80, 100	7.20
120547	1343	20	7.5	250, 400, 600	8.00
120548	1346	18	7.5	60, 80, 100	8.60
120549	1347	20	7.5	250, 400, 600	9.40

Prices are less wires and lamps.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN FIXTURES

SOCKETS ARE NATIONAL ELECTRICAL CODE STANDARD

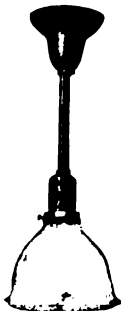
SINGLE UNITS

For 100 to 500 Watt Mazda C Lamps

Fixtures Nos. 751C-754C have Benco porcelain-lined socket, tapped $\frac{1}{2}$ inch, ventilated deep holder, and stalactite diffusing globe. Sockets tapped $\frac{3}{8}$ -inch furnished without change in price. Fixtures Nos. 761C-764C are similar, but have chain suspension extending 14 inches from socket to top of canopy, 5x4-inch canopy, and crowfoot. Extra length chains list at 50 cents per foot. Stalactite globes with bottom hole furnished regularly. Ball globes can be substituted without change in price. Chain loops take No. 14 cord.



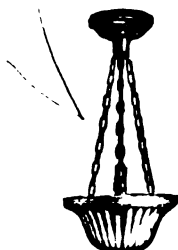
No. 752C



No. 757C



No. 1012C



No. 1021C



No. 741C

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Trade No.	Mfrs. No.	Length of Fixture, In.	Size of Globe, In.	Lamp Size Watts	PRICE, EACH	
					Globe only	Complete
120058	751C	10	6x4	25, 40, 60	\$0.70	\$1.70
120059	752C	11	7x5	100, 200	.80	2.00
120060	753C	12	8x6	200	.90	2.30
120061	754C Mogul	13	8x6	300, 400, 500	.90	2.90
120062	761C	23	6x4	25, 40, 60	.70	2.80
120063	762C	24	7x5	100, 200	.80	3.10
120064	763C	26	8x6	200	.90	3.40
120065	764C Mogul	27	8x6	300, 400, 500	.90	4.00

Fixtures Nos. 756C-758C have Benco porcelain-lined socket with ventilated holder as indicated, standard 8-inch stem of $\frac{5}{8}$ -inch brass tubing, 5x4-inch canopy and crowfoot. Additional length stems list at 30 cents per foot. No. 759C has 12-inch stem of $\frac{3}{8}$ -inch iron pipe and $\frac{3}{4}$ -inch brass casing. Additional length stems list at 50 cents per foot. For Benjamin Lamp Grip add 10 cents list. For Benco Pull Chain Socket with Lamp Grip add 40 cents to list. Prices do not include glassware.

Trade No.	Mfrs. No.	Size of Holder Inches	Length Less Glass, In.	Lamp Size Watts	Price Each
120066	756C	2 $\frac{1}{4}$, Form O	11	25, 60	\$1.55
120067	757C	2 $\frac{1}{4}$, Form H	12	100	1.70
120068	758C	3 $\frac{1}{4}$	12	200	1.75
120069	759C Mogul	3 $\frac{1}{4}$	16	300, 500	2.75

INDIRECT AND SEMI-DIRECT UNITS

Fixtures Nos. 1010C-1012C consist of chain suspension, central stem, porcelain socket with Benjamin Lamp Grip, 5 $\frac{1}{2}$ x4-inch canopy, crowfoot, and fluted white porcelain enameled reflector. Standard finish of reflector is white, but gold bronze outside may be ordered at an advance of \$1.00 list.

Trade No.	Mfrs. No.	Diam. of Bowl, In.	Length of Fixture, In.	Lamp Size Watts	Price Each
120070	1010C	20	36	100, 200	\$10.00
120071	1012C	20	38	300 to 1000	10.30

Fixtures Nos. 1020C-1021C have ornamental diffusing bowl of correct density, with chain suspension means and center drop for lamp. No. 1020C is unit complete with Benjamin No. 1413 chain supporting ring, but without 8-inch brass ceiling fixture. No. 1021C includes the latter, as shown. For fixture less bowl deduct \$6.50 list.

120072	1020C	14	23	100, 200	9.50
120073	1021C	14	27	100, 200	11.50

Fixtures Nos. 741C-743C have ventilated brass hood and holder, two-piece, easy to wire porcelain socket, flat cone opal reflector, diffusing bowl, brass chain support, 5x4-inch canopy and crowfoot. Reflectors list at \$1.50; bowl at \$1.20.

Trade No.	Mfrs. No.	Reflector Size, In.	Diffuser Size, In.	Length of Fixture, In.	Lamp Size Watts	Price Each
120074	741C	16x5	7	25	100, 200	\$7.50
120075	743C	18x6	7	27	300, 400, 500	8.00

Brush brass is standard finish for brass parts.
Prices are less wires and lamps.

BENJAMIN SINGLE UNIT FIXTURES

SOCKETS ARE NATIONAL ELECTRICAL CODE STANDARD



No. 4306



No. 4340



No. 4345



No. 4318



No. 382

CEILING FIXTURES

Benjamin Ceiling Fixtures with 3¼-inch holder will accommodate 200-watt Mazda C lamps, but it is necessary that 12 inches of No. 14 asbestos covered wire be inserted between house wires and fixture terminals to prevent high temperatures in the former. When specified, proper length of wire will be furnished, unattached, without extra charge. Where No. 14 approved wire is used, no insulating joint or ring is required on account of the high insulation of the sockets. For Benjamin Lamp Grip add 10 cents list.

Enameled Steel Base

Fixtures Nos. 4302-4306 have easy-to-wire porcelain socket and white enameled steel base held by screw threaded ring on outside of socket shell, making it unnecessary for screws to pass through the enamel. Shade holders are covered by white enameled cap.

Trade No.	Mfrs. No.	Size, Inches Base	Holder	Form Holder	Lamp Size Watts	Price Each
27627	4302	10	2¼	O	25, 40, 60	\$4.25
27628	4304	10	2¼	H	100	4.35
27629	4306	10	3¼	..	200	4.40

Brush Brass Base

Fixtures Nos. 4312-4342 have easy-to-wire socket, brass base and heavy steel strap for attaching to outlet box or ceiling. Benjamin Type S Interchangeable Shade Holders and Reflectors can be used with these units.

27632	4312	10	Less holder	....		2.60
120560	4340	10	2¼	O	25, 40, 60	2.75
120561	4341	10	2¼	H	100	2.90
120562	4342	10	3¼	..	200	2.95

Fixtures Nos. 4314-4345 are essentially those above, with 8-inch instead of 10-inch bases.

27642	4314	8	Less holder	....		2.00
120563	4343	8	2¼	O	25, 40, 60	2.15
120564	4344	8	2¼	H	100	2.30
120565	4345	8	3¼	..	200	2.35

Fixtures Nos. 4316-4319 have brass base with Benco Porcelain-Lined Socket permanently attached. Unlike the units listed above the socket is uncovered.

120566	4316	6	Less holder	....		1.10
120567	4317	6	2¼	O	25, 40, 60	1.25
120568	4318	6	2¼	H	100	1.40
120569	4319	6	3¼	..	200	1.45

Benco Pull Chain Sockets with Benjamin Lamp Grip will be supplied with any of the above fixtures at an advance of 40 cents list.

CEILING UNITS

One-piece Shell and Holder

Fixtures Nos. 361-382 have brass or copper body with holders as indicated, supporting strap and two-piece, easy-to-wire porcelain receptacle. Benjamin Lamp Grip is furnished at an advance of 5 cents list.

120570	361	6	2¼	O	25, 40, 60	1.50
120571	371	6	2¼	H	100	1.70
120572	381	6	3¼	..	100	1.80

Above prices cover brass body, less glassware.

PORCH LIGHTS

Copper Body, with Opal Globe

Trade No.	Mfrs. No.	Size, Inches Base	Globe	Lamp Size Watts	PRICE, EACH	
					Globe only	Complete
120573	382	6	6x3¼	25, 40, 60	\$0.60	\$2.40

Standard finishes are brush brass and natural copper.

Prices are less wires, lamps and glassware, except as specified.

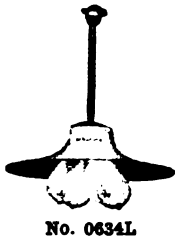
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN FIXTURES

SOCKETS AND CLUSTERS ARE NATIONAL ELECTRICAL CODE STANDARD

INDUSTRIAL CLUSTERS

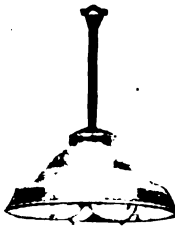
Fixtures Nos. 0632L-0635½ have 18-inch deeply hooded white enameled steel reflector, 3T wireless cluster body, 12-inch stem of ¾-inch galvanized iron pipe, and shock absorber. Suspension fitting No. 6031 may be substituted at an advance of 30 cents list. For 16-inch reflector, suitable for lamps below 100-watt, instead of 18-inch, deduct 30 cents list. Additional length stems list at 20 cents per foot.



No. 0634L

Trade No.	Mfrs. No.	No. of Lights	Reflector Diam., In.	Length, In. Less Lamps	Lamp Size Watts	Type of Wiring	Price Each
27593	0632L	2	18	18½	60-200	Mult.	\$4.40
27594	0633L	3	18	18½	60-200	Mult.	4.65
27595	0634L	4	18	18½	60-200	Mult.	4.90
27596	0635L	5	18	18½	60-100	Mult.	5.15
27598	0632½	2	18	18½	60-200	Series	4.40
27599	0634½	4	18	18½	60-200	Series	4.90
27600	0635½	5	18	18½	60, 100	Series	5.15

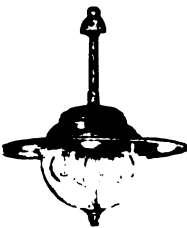
Fixtures Nos. 0642-0646 are similar to above, but have bowl-shaped 18-inch white enameled reflector with ventilation between reflector and cap. Fixture No. 0646 has 20-inch black-backed enameled steel reflector.



No. 0644

120632	0642	2	18	21	100, 200	Mult.	5.20
27601	0643	3	18	21	100, 200	Mult.	5.45
27602	0644	4	18	21	100, 200	Mult.	5.70
27603	0645	5	18	21	100	Mult.	5.95
27604	0646	4	20	22	100, 200	Mult.	6.20
27606	0642½	2	18	21	100, 200	Series	5.20
27607	0644½	4	18	21	100, 200	Series	5.70
27608	0645½	5	18	21	100	Series	5.95

Fixtures Nos. 883-894 are dustproof devices for use in foundries, mills, etc. They have 20-inch porcelain enameled steel reflector, standard 8-inch stem of ½-inch iron pipe, separable suspension fitting, and globe as indicated. A special gasket between globe and reflector renders them dustproof. Globe may be removed, or suspended and held in position by means of rod passing through hollow support. For Benjamin Lamp Grip add 5 cents per outlet. Iron parts are galvanized.



No. 884

Trade No.	Mfrs. No.	No. of Lights	Size of Globe Inches	Lamp Size Watts	PRICE, EACH	
					Complete	Globe only
27609	883	3	10¼x11¼	60, 100	\$10.25	\$2.00
27610	884	4	10¼x11¼	60, 100	10.55	2.00
27611	885	5	10¼x11¼	60, 100	10.85	2.00
27612	886	6	10¼x11¼	60	11.15	2.00
27613	894	4	11 x12¾	200	11.05	2.50

Fixtures Nos. 0664-0694 are large ventilated units with white enameled steel reflectors for use in mills and factories. Nos. 0664 and 0674 have concentrating dome reflector and can be hung sufficiently high to clear traveling cranes. Nos. 0684 and 0694 have distributing flat cone reflector, and are recommended for heights from 25 to 30 feet above the floor. They are regularly wired multiple for 110-volt circuits but may be ordered wired series-multiple for 220-volt circuits, without change in price.

Fixtures have 8-inch stem of ½-inch iron pipe, No. 6031 fitting with porcelain wire openings, and porcelain sockets with Benjamin Lamp Grip. Iron parts are galvanized. Prices include stem wires.



No. 0664

Trade No.	Mfrs. No.	No. of Lights	Reflector Diam., In.	Length, In. Less Lamps	Socket Base	Lamp Size Watts	Price Each
052626	0664	4	24	21	Mogul	300, 500	\$16.80
27614	0674	4	24	21	Medium	200, 250	16.00
052627	0684	4	24	18	Mogul	300, 500	16.80
27615	0694	4	24	18	Medium	200, 250	16.00

Prices are less wires and lamps, except as specified.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN CLUSTER FIXTURES

SOCKETS AND CLUSTERS ARE NATIONAL ELECTRICAL CODE STANDARD

OPAL REFLECTOR STYLE

Fixtures Nos. T-52—T-55 have cluster body, opal reflector, 15-inch stem of $\frac{3}{8}$ -inch iron pipe and $\frac{3}{4}$ -inch brass casing, 5x4-inch canopy, and crow foot. Cluster body consists of enameled steel plate and receptacles which permit of wiring in any manner. Additional length stems list at 50 cents per foot. For pendent switch and 1 yard of flexible cord add 70 cents list. Reflector lists at \$1.70. For 18-inch enameled steel instead of opal reflector add \$1.00 list.



No. T-54

Trade No.	Mfrs. No.	No. of Lights	Reflector Diam., In.	Length, In. Less Lamps	Lamp Size Watts	Price Each
038886	T-52	2	18	23	25-200	\$7.10
038887	T-53	3	18	23	25-200	7.40
038888	T-54	4	18	23	25-200	7.70
038889	T-55	5	18	23	25-200	8.00



No. 0335

Fixtures Nos. 0332-0335 have cluster body, 12-inch stem of $\frac{3}{8}$ -inch iron pipe and $\frac{3}{4}$ -inch brass casing, special 6-inch deep holder, flat cone opal reflector, 5x4-inch canopy and crow foot. Clusters have knock-out bushing for pendent switch. Socket outlets are at an angle of 18° with the vertical. Additional length stems list at 50 cents per foot. Nos. 0732-0733 have stem of $\frac{5}{8}$ -inch brass tubing, and special 5-inch deep holder. Additional lengths list at 30 cents per foot.

020816	0332	2	18	16	25-100	5.50
020817	0333	3	18	16	25-100	5.75
020818	0334	4	18	16	25-100	6.00
020819	0335	5	18	16	25-100	6.25
020820	0732	2	16	17	25-100	4.50
020821	0733	3	16	17	25-10	4.75

HOODED ENAMELED STEEL REFLECTOR STYLE

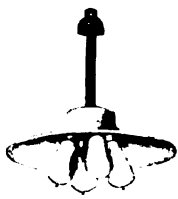
Fixtures Nos. 0532-0535 have 3T cluster body, standard 12-inch stem of $\frac{3}{8}$ -inch iron pipe and $\frac{3}{4}$ -inch brass casing, deeply hooded white enameled steel reflector, 5x4-inch canopy, and crowfoot. Socket outlets are at an angle of 18° with the vertical. Fixtures with 18-inch reflectors for 100-watt lamps will be furnished at an advance of 30 cents list. Additional length stems list at 50 cents per foot.



No. 0534

020822	0532	2	16	17	25-100	4.55
020823	0533	3	16	17	25-100	4.80
020824	0534	4	16	17	25-100	5.05
020825	0535	5	16	17	25-60	5.30

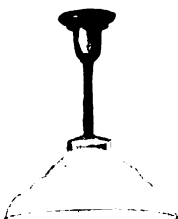
Fixtures Nos. 6032-6035 have 3T cluster body with shell of aluminum, standard 8-inch stem of $\frac{1}{2}$ -inch iron pipe and separable suspension fitting, and deeply hooded white enameled steel reflector. Reflector and cluster are made weatherproof by gasket and flange. Additional length stems list at 25 cents per foot. For fixture with gooseneck and wall fitting, add 35 cents list. For suspension with shock absorber, add 10 cents list. Iron parts are galvanized.



No. 6034

042611	6032	2	16	14	25-100	4.20
042612	6033	3	16	14	25-100	4.45
042613	6034	4	16	14	25-100	4.70
042614	6035	5	16	14	25-60	4.95

Fixtures Nos. 0542-0545 have bowl-shaped enameled steel reflector, 3T wireless cluster, 12-inch stem of $\frac{3}{8}$ -inch iron pipe and $\frac{3}{4}$ -inch brass casing, 5x4-inch canopy, and crowfoot. Socket outlets are at an angle of 18° with the vertical. Ventilation is provided between reflector and cap. Additional length stems list at 50 cents per foot.



No. 0544

27389	0542	2	18	20	40-200	5.65
27390	0543	3	18	20	40-200	5.90
27391	0544	4	18	20	40-200	6.15
27392	0545	5	18	20	40-100	6.40

Brush brass is standard finish for brass parts.
Prices are less wires and lamps.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN CLUSTER FIXTURES

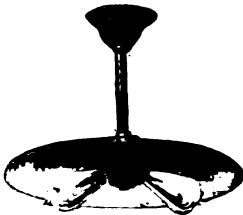
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No. 16H



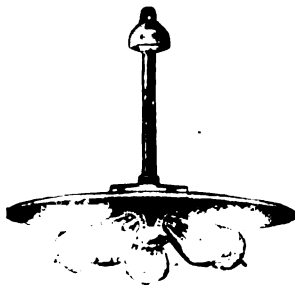
No. 322P



No. 022P



No. 016H



No. 6015



No. 5015

BENJAMIN CEILING FORMS

Fixtures Nos. 12H-24H have cluster body less flange, and porcelain enameled steel reflector, which is placed directly between cluster back and ceiling, with rubber ring preventing contact with metal parts.

Type 1 Body

Trade No.	Mfrs. No.	No. of Lights	Reflector Size, In.	Lamp Size Watts	Price Each
021307	12H	2	15	25-100	\$2.80
021308	13H	3	15	25-100	3.05
021309	14H	4	15	25-100	3.30
021310	15H	5	15	25-100	3.55
021311	16H	6	15	25-100	3.80

Type 2 Body

Trade No.	Mfrs. No.	No. of Lights	Reflector Size, In.	Lamp Size Watts	Price Each
106161	22H	2	15	25-100	2.55
106162	23H	3	15	25-100	2.80
106163	24H	4	15	25-100	3.05

Fixtures Nos. 322P-323P have cluster body, ornamental sub-base, and opal reflector.

Type 2 Body

Trade No.	Mfrs. No.	No. of Lights	Reflector Size, In.	Base Size, In.	Lamp Size Watts	Price Each
021314	322P	2	14	6x3 1/4	25-100	\$3.10
021315	323P	3	14	6x3 1/4	25-100	3.35

BENJAMIN PENDENT FORMS

Fixtures Nos. 022P-024P have cluster body, 8x5/8-inch brass stem, 3 1/4-inch reflector holder, opal reflector, 4 1/2x3-inch canopy, and crowfoot.

Type 2 Body

Trade No.	Mfrs. No.	No. of Lights	Reflector Size, In.	Lamp Size Watts	Price Each
044124	022P	2	14	25-100	\$2.85
044125	023P	3	14	25-100	3.10
106160	024P	4	14	25-100	3.25

Fixtures Nos. 012H-016H are similar to above, but do not require holder and have porcelain enameled steel reflector.

Type 1 Body

Trade No.	Mfrs. No.	No. of Lights	Reflector Size, In.	Lamp Size Watts	Price Each
044144	012H	2	15	25-100	3.45
044145	013H	3	15	25-100	3.70
044146	014H	4	15	25-100	3.95
044147	015H	5	15	25-100	4.20
044148	016H	6	15	25-100	4.45

BENJAMIN WEATHERPROOF FORMS

Fixtures Nos. 6012-6016 consist of Type 1 aluminum shell wireless cluster, enameled steel reflector, and 8-inch stem with flange and separable suspension fitting. Flange is tapped 1/2 inch and is bolted to the cluster back. Socket shells are of copper. Iron parts are galvanized.

Type 1 Body, Pendant

Trade No.	Mfrs. No.	No. of Lights	Reflector Size, In.	Lamp Size Watts	Price Each
044106	6012	2	15	25-100	\$3.45
044107	6013	3	15	25-100	3.70
044108	6014	4	15	25-100	3.95
044109	6015	5	15	25-100	4.20
044110	6016	6	15	25-100	4.45

Fixtures Nos. 5012-5016 are similar to above, but have 1/2x30-inch gooseneck and wall fitting.

Type 1 Body, Gooseneck





Trade No.	Mfrs. No.	No. of Lights	Reflector Size, In.	Lamp Size Watts	Price Each
044115	5012	2	15	25-100	\$3.80
044116	5013	3	15	25-100	4.05
044117	5014	4	15	25-100	4.30
044118	5015	5	15	25-100	4.55
044119	5016	6	15	25-100	4.80

Brush brass is standard finish for brass parts. Prices are less wires and lamps.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN MULTIPLE CLUSTERS

NATIONAL ELECTRICAL CODE STANDARD

		Trade No.	Mfra. No.	No. of Lights	Diameter Inches	Std. Pkg.	Price Each
		TYPE 8					
		020864	82	2	2½	10	\$1.00
		TYPE 2					
		020865	22	2	3	10	1.35
		020866	23	3	3	10	1.60
		106172	24	4	3	10	1.85
		TYPE 3					
		020887	32	2	3⅜	10	1.60
		020888	33	3	3⅜	10	1.85
		TYPE 18					
		120317	18	1	2½	10	.50
		120318	19	2	3	10	.90
		TYPE 1					
		020867	12	2	4	10	1.60
		020868	13	3	4	10	1.85
		020869	14	4	4	10	2.10
		020870	15	5	4	10	2.35
		020871	16	6	4	10	2.60
		TYPE K					
		020872	13K	3	4	10	1.85
		020873	14K	4	4	10	2.10
		020874	15K	5	4	10	2.35
		020875	16K	6	4	10	2.60
		020876	17K	7	4	10	2.85
		TYPE 7					
		020877	72	2	4	10	2.60
		020878	73	3	4	10	2.85
		020879	74	4	4	10	3.10
		020880	75	5	4	10	3.35
		020881	76	6	4	10	3.60
		TYPE 600					
		020882	608	8	6¾	10	5.00
		020883	610	10	8¾	10	5.60
		020884	612	12	8¾	10	6.20
		020885	615	15	11¼	10	8.00
		020886	620	20	11¾	10	10.00
		TYPE 3T					
		120319	32T	2	4½	10	1.75
		120320	33T	3	4½	10	2.00
		120321	34T	4	4½	10	2.25
		120322	35T	5	4½	10	2.50
		120323	36T	6	4½	10	2.75
		TYPE 3K					
		020889	33K	3	4½	10	2.00
		020890	34K	4	4½	10	2.25
		020891	35K	5	4½	10	2.50
		020892	36K	6	4½	10	2.75
		020893	37K	7	4½	10	3.00
		TYPE 5					
		020894	52	2	4	10	1.60
		020895	53	3	4	10	1.85
		020896	54	4	4	10	2.10
		020897	55	5	4	10	2.35
		020898	56	6	4	10	2.60
		TYPE 5K					
		020899	53K	3	4	10	1.85
		020900	54K	4	4	10	2.10
		020901	55K	5	4	10	2.35
		020902	56K	6	4	10	2.60
		020903	57K	7	4	10	2.85

Above prices, except for Type 18, include flanges for ¾-inch iron pipe. Clusters, except Types 5 and 600, may be furnished with cast iron flange, tapped for ½-inch pipe, or with steel covers adapted for 3-inch or 4-inch outlet boxes, at an advance of 10 cents list.

Series connected clusters, Types 1½ and 2½, may be furnished at the same price as Type 1 multiple clusters; Type 3½T, at same price as Type 3T. Standard finish is brush brass.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BENJAMIN FIXTURES

SOCKETS ARE NATIONAL ELECTRICAL CODE STANDARD

FIXTURES FOR 100 TO 1000-WATT MAZDA C LAMPS

Fixtures Nos. 701C-736C include ventilated hoods and holders of material as listed, stalactite globe of correct density, and two-piece, easy-to-wire porcelain socket with Benjamin Lamp Grip. Flange is securely attached to hood so that support of fixture does not depend on socket. 100-200-watt fixtures have one-piece hood, while 300-1000-watt fixtures have two-piece hood to provide for greater ventilation. Fittings are regularly supplied for $\frac{1}{2}$ -inch pipe. $\frac{3}{8}$ -inch may be ordered without change in price, or $\frac{3}{4}$ -inch at an advance of 10 cents list.



No. 701C



No. 772C



No. 747C

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Trade No.	Mfrs. No.	Description	Fixture Length Inches	Size of Globe Inches	Lamp Size Watts	Price Each
106130	701C	Copper, natural finish	12	7x5	100, 200	\$2.30
106131	703C	Copper, black enamel	12	7x5	100, 200	2.40
106132	705C	Brass, brush brass finish	12	7x5	100, 200	2.50
106133	707C	Steel, black enamel finish	12	7x5	100, 200	1.80
106134	708C	Copper, natural finish	13 $\frac{1}{2}$	8x6	300, 400, 500	3.20
106135	710C	Copper, black enamel	13 $\frac{1}{2}$	8x6	300, 400, 500	3.30
106136	712C	Brass, brush brass finish	13 $\frac{1}{2}$	8x6	300, 400, 500	3.40
106137	714C	Steel, black enamel finish	13 $\frac{1}{2}$	8x6	300, 400, 500	2.30
106138	730C	Copper, natural finish	19	12x8	750, 1000	5.10
106139	732C	Copper, black enamel	19	12x8	750, 1000	5.30
106140	734C	Brass, brush brass finish	19	12x8	750, 1000	5.20
106141	736C	Steel, black enamel finish	19	12x8	750, 1000	3.60

Fixtures Nos. 738C-779C are like the above, with suspension. Nos. 772C-779C have chain suspension, 5x4-inch canopy, crowfoot and $\frac{1}{2}$ -inch brass loop. Nos. 738C-739C have 12-inch stem of $\frac{3}{8}$ -inch iron pipe and $\frac{1}{4}$ -inch brass casing, 5 $\frac{1}{2}$ x4-inch canopy and crowfoot. Additional lengths list at 50 cents per foot. For chain suspension on Nos. 738C-739C instead of stem, add .10 list. Stem and fittings take No. 14 asbestos covered wire.

120087	772C	Brass, brush brass finish	26	7x5	100, 200	3.60
120088	773C	Steel, black enamel finish	26	7x5	100, 200	2.90
120089	778C	Brass, brush brass finish	27 $\frac{1}{2}$	8x6	300, 400, 500	4.50
120090	779C	Steel, black enamel finish	27 $\frac{1}{2}$	8x6	300, 400, 500	3.40
120091	738C	Brass, brush brass finish	31	12x8	750, 1000	6.20
120092	739C	Steel, black enamel finish	31	12x8	750, 1000	4.60

Fixtures Nos. 746C-787C are substantially Nos. 701C-736C with flat cone enameled steel reflector added. For 18-inch reflector with Nos. 784C-787C add 50 cents list. Reflectors are finished black.

Trade No.	Mfrs. No.	Description	Size of Reflector Inches	Size of Globe Inches	Lamp Size Watts	Price Each
120093	780C	Copper, natural finish	12	7x5	100, 200	3.30
120094	781C	Copper, black enamel	12	7x5	100, 200	3.40
120095	783C	Steel, black enamel finish	12	7x5	100, 200	2.80
120096	784C	Copper, natural finish	15	8x6	300, 400, 500	4.70
120097	785C	Copper, black enamel	15	8x6	300, 400, 500	4.80
120098	787C	Steel, black enamel finish	15	8x6	300, 400, 500	3.80
120099	746C	Copper, natural finish	20	12x8	750, 1000	7.30
120100	747C	Copper, black enamel	20	12x8	750, 1000	7.50
120101	749C	Steel, black enamel finish	20	12x8	750, 1000	5.80

Ventilation.—Globes are regularly furnished with hole in bottom, in line with general practice, although globe ventilation is rarely necessary on account of the adequate provision made in Benjamin Fixture Hoods. Globes without hole will be furnished when specified, without change in price.

Globes list as follows: 7x5-inch, 70 cents; 8x6-inch, 90 cents; 12x8-inch, \$2.20. Spherical globes of same dimensions may be ordered without change in price. Trutint 8x6-inch stalactite globes giving noonday sunlight effect, will be furnished with 300-500-watt fixtures at an advance of \$1.50 list; Trutint 12x8-inch spherical globes for 750-1000-watt fixtures at an advance of \$3.10 list.

BENJAMIN REFLECTORS



No. H515

Reflectors Nos. H508 to H518 and H410 to H418 inclusive, are porcelain enameled steel, green outside, white inside, and have heel to fit standard shade holders.

Flat Cone

Trade No.	Mfrs. No.	Reflector Size, In.	Holder Size, In.	Std. Pkg.	Wt. Lbs.	Price Each
130756	H508	8	2 1/4	10	5	\$0.50
130757	H510	10	2 1/4	10	6	.60
130758	H512	12	2 1/4	10	10	.80
130759	H515	15	3 1/4	10	12	1.20
130760	H518	18	3 1/4	10	26	1.70



No. H410

Shallow Bowl

Trade No.	Mfrs. No.	Reflector Size, In.	Holder Size, In.	Std. Pkg.	Wt. Lbs.	Price Each
130761	H410	10	2 1/4	10	7	.70
130762	H412	12	2 1/4	10	13	.90
130763	H414	14	2 1/4	10	15	1.10
130764	H416	16	3 1/4	10	19	1.50
130765	H418	18	3 1/4	10	36	1.90



No. H15

Reflectors Nos. H10 to H24 inclusive are porcelain enameled steel, green outside, white inside, tapped for iron pipe stem.

Trade No.	Mfrs. No.	Reflector Size, In.	Stem Size, In.	Std. Pkg.	Wt. Lbs.	Price Each
130766	H10	10	1/2	10	7	\$0.80
130767	H12	12	1/2	10	12	1.00
130768	H15	15	1/2	10	16	1.30
130769	H18	18	1/2	10	21	1.80
130770	H20	20	1/2	10	31	2.50
130771	H24	24	1/2	10	40	3.50



No. TN114

Reflectors Nos. TN114, TN214 and TN116 are paint enameled tin, green outside, white inside, fit the cluster back and require no holders.

Trade No.	Mfrs. No.	Reflector Size, In.	Type of Cluster	Std. Pkg.	Wt. Lbs.	Price Each
130772	TN114	14	1, 7 or K	10	7	\$0.60
130773	TN214	14	2	10	7	.60
130774	TN116	16	1, 7 or K	10	7	.70



No. H115

Reflectors Nos. H813, H115, H215, H118, H316 and H318 are porcelain enameled steel, white both sides, fit the wireless cluster back, and require no holders. Nos. H316 and H318 have deep neck.



No. H316

Trade No.	Mfrs. No.	Reflector Size, In.	Type of Cluster	Std. Pkg.	Wt. Lbs.	Price Each
130775	H813	13	8	10	11	\$1.20
130776	H115	15	1, 7 or K	10	12	1.20
130777	H215	15	2	10	12	1.20
130778	H118	18	1, 7 or K	10	14	2.00
130779	H316	16	3T	10	20	1.80
130780	H318	18	3T	10	25	2.10

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

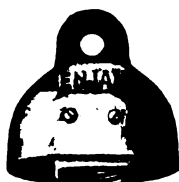
BENJAMIN WEATHERPROOF FITTINGS



No. 6031



No. 6049



No. 6029



No. 6028



No. 6186



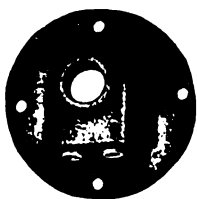
No. 6184



No. 5025



No. 5026

Nos. 5027
and 5028Nos. 5031
and 5032

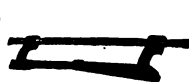
No. 6202



No. 6183



No. 6204



No. 6206

SUSPENSION FITTINGS

With Porcelain Wire Openings

Trade No.	Mfrs. No.	Size Inches	Std. Pkg.	Wt. Lbs.	Price Each
71145	*6031	1/2	20	10	\$0.60
71163	*6031F	1/2 Top & Bottom	20	10	.65
71160	*6031M	1/2 Male	20	10	.65
71161	*6049	1/2	20	23	.75
71162	*6049M	1/2 Male	20	23	.80
71164	*6049V	3/4 Male	20	23	.80

Without Shock Absorber

71143	6029	1/2	20	16	.30
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With Shock Absorber

71144	6030	1/2	20	18	.40
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Malleable Iron Fitting

71165	6028	1/2	20	6	.25
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BALL FITTINGS

71154	6186	3/4x1/2	20	10	.30
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EXTENSION FITTINGS

71166	6184	1/2x1/2	20	2	.15
71167	6185	3/4x1/2	20	2	.15

POLE AND WALL FITTINGS

Malleable Iron Pole Fitting

71147	5025	1/2	20	16	.30
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Malleable Iron Wall Fitting

71148	5026	1/2	20	8	.30
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POLE FITTINGS

Without Wire Openings

71150	5027	3/4	20	27	.40
71151	5028	1/2	20	27	.40

With Porcelain Wire Openings

71152	5031	3/4	20	31	.60
71153	5032	1/2	20	31	.60

CROSS-ARMS

Without Shock Absorber

71168	6200	1/2	20	26	.80
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With Shock Absorber

71169	6202	1/2	20	28	.90
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With Insulated Wire Openings like No. 6049V

71170	6203	3/4	20	32	1.00
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SUSPENSION FITTINGS

Black Enamel

Three-point Center Suspension

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt. Lbs.	Price Each
71171	6182	Center hole, slips 1/2-inch pipe	20	75	\$1.00
71172	6183	Male bushing (3/4-in.) and W. P. Cap.....	20	95	1.40

Four-point Center Suspension

71173	6204	Porcelain wire openings, 1/2-in.	20	40	1.30
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Span Wire Suspension

71174	6206	Slips 5/8-inch bolt.....	20	21	.50
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Iron parts are galvanized. Black enamel may be ordered without change in price.

*National Electrical Code Standard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

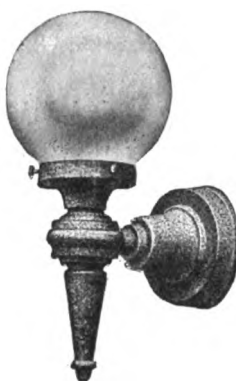
CAST METAL OUTDOOR FIXTURES



No. 75



No. 91



No. 101



No. 104



No. 71



No. 76



No. 80



No. 77

Trade No.	Mfrs. No.	Description	Price Each
56771	75	Wall bracket; height to holder, 7 inches; wall to center, 8 inches; 3¼ or 4-inch holder.....	\$2.20
56772	91	Wall bracket; height to holder, 16 inches; wall to center, 8 inches; 3¼ or 4-inch holder.....	5.00
56773	91	Wall bracket; height to holder, 16 inches; wall to center, 8 inches; 5 or 6-inch holder.....	5.50
56774	101	Wall bracket; height to holder, 9 inches; wall to center, 8 inches; 3¼ or 4-inch holder.....	1.90
56775	104	Wall bracket; height to holder, 11 inches; wall to center, 8 inches; 3¼ or 4-inch holder.....	2.20
56776	71	Wall bracket; cage, 7x9 inches; length over all, 14 inches; wall to center, 8 inches.....	6.50
56777	76	Wall bracket; cage, 10x10 inches; length over all, 15 inches; wall to center, 8 inches.....	8.50
56778	80	Wall bracket; hexagon cage, 11x15 inches; length over all, 22 inches; wall to center, 9 inches.....	13.50
56779	77	Wall bracket; cage, 7x10 inches; length over all, 15 inches; wall to center, 8 inches.....	6.80

When finishes are not specified, dull black will be furnished with moss glass. Mottled green finish will be furnished only when specified with amber glass. Standard glass colors are amber, green, moss or ground (C. R. I.).

All openings are fitted with ¾-inch iron pipe nipples.

Prices do not include globes, sockets or wiring.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CAST METAL OUTDOOR FIXTURES



No. 90



No. 94



No. 95



No. 109



No. 97



No. 106



No. 105



No. 103

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Trade No.	Mfrs. No.	Description	Price Each
56791	90	Porch ceiling light; size, 8¼x10 inches; body, 5 inches.....	\$5.00
56792	94	Porch ceiling light; base, 8¼ inches square; ¾ or 4-inch holder....	1.90
56793	95	Porch ceiling light; base, 7 inches; ¾-inch holder.....	.65
56794	109	Scroll post light; height to center of ball, 13½ inches; base, 10½ inches; scroll, 5x10 or 6x12 inches.....	9.00
56795	97	Pendant lantern; cage, 7x10 inches; length over all, 30 inches with glass bottom.....	6.50
56796	106	Wall bracket; wall to center, 9½ inches; canopy, 5¼x8½ inches; cage, 7x10 inches with glass bottom.....	6.80
56797	105	Wall bracket; wall to center, 9½ inches; canopy, 5¼x8½ inches; ¾ or 4-inch holder.....	3.20
56798	103	Post light; height to holder, 19 inches; base, 8 inches in diameter; body, 3½ inches; 5 or 6-inch holder.....	5.50

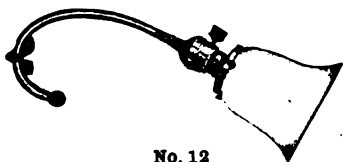
When finishes are not specified, dull black will be furnished with moss glass. Mottled green finish will be furnished only when specified with amber glass. Standard glass colors are amber, green, moss or ground (C. R. I.).

All openings are fitted with ⅜-inch iron pipe nipples.

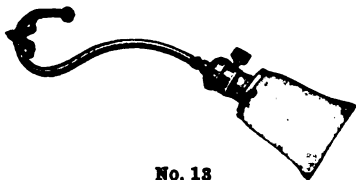
Prices do not include globes, sockets or wiring.

FARIES ADJUSTABLE BRACKETS

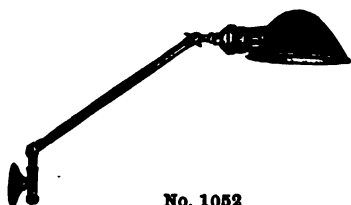
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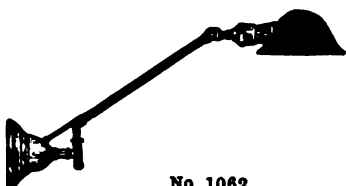
No. 12



No. 13



No. 1052



No. 1062



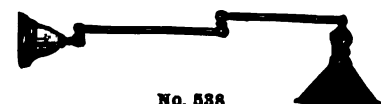
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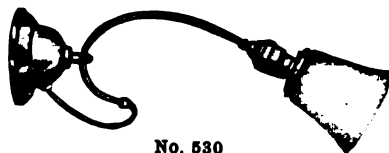
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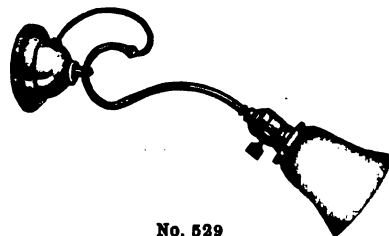
No. 537



No. 538



No. 530



No. 529

No. 12

Trade No.	Length Inches	Finish	Std. Pkg.	Price Each
43076	9	Brushed brass	12	\$0.50
43077	9	Oxidized copper	12	.65

No. 13

43078	9	Brushed brass	12	.50
43079	9	Oxidized copper	12	.65

No. 530

43080	12	Brushed brass	12	.85
43081	12	Oxidized copper	12	1.05

No. 529

43082	12	Brushed brass	12	.85
43083	12	Oxidized copper	12	1.05

No. 1052

No. 1052 is adjustable to any position, has large tubing and heavy cast base.

021723	18	Brushed brass	12	1.50
089556	18	Oxidized copper	12	1.75

No. 1062

No. 1062 is adjustable to any position, has large tubing, crowfoot and 3x4½-inch canopy.

021724	24	Brushed brass	12	1.50
089557	24	Oxidized copper	12	1.75

No. 1770

No. 1770 has oneswing. Canopy is 4½ inches.

43084	12	Brushed brass	12	1.50
43085	12	Oxidized copper	12	1.75

No. 539

43086	12	Brushed brass	6	3.00
43087	12	Oxidized copper	6	3.50

No. 537

Canopy of No. 537 is 4½ inches.

027152	15	Brushed brass	12	1.50
089662	15	Oxidized copper	12	1.75

No. 538

Same as No. 537, but is a two-swing bracket.

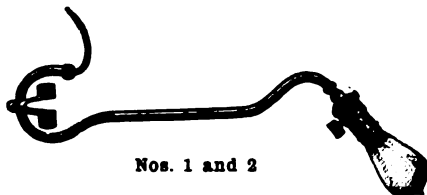
027151	27	Brushed brass	6	2.75
089661	27	Oxidized copper	6	3.00

Prices do not include shades, lamps, shade holders, sockets or wiring.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARIES ADJUSTABLE BRACKETS

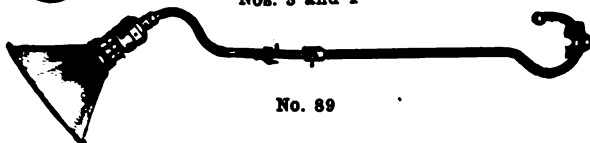
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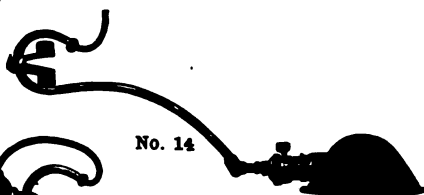
Nos. 1 and 2



Nos. 3 and 4



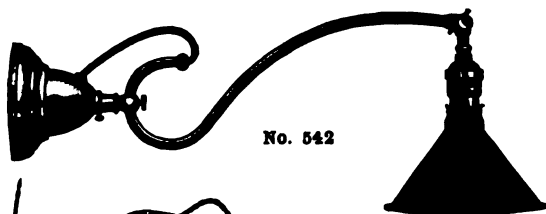
No. 89



No. 14



No. 526



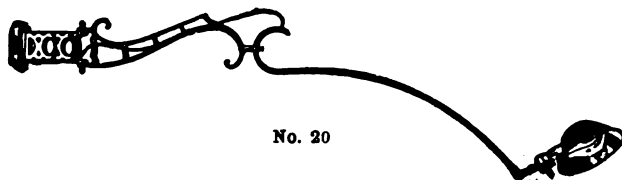
No. 542



No. 15



No. 528



No. 20

No. 1

Trade No.	Lgth. In.	Finish	Std. Price Pkg. Each
038857	16	Brush, brass	12 \$0.60
038858	16	0x. copper	12 .80

No. 2

No. 2 is the same as No. 1, but has 24-inch extension.

038861	24	Brush, brass	12 .70
038862	24	0x. copper	12 .90

No. 3

038863	24	Brush, brass	12 1.25
038864	24	0x. copper	12 1.55

No. 4

No. 4 is the same as No. 3, but has 40-inch extension.

038859	40	Brush, brass	12 1.60
038860	40	0x. copper	12 1.90

No. 89

No. 89 has a hinge and a swivel.

038865	24	Brush, brass	12 1.75
038866	24	0x. copper	12 2.05

No. 14

038847	22	Brush, brass	12 1.10
038848	22	0x. copper	12 1.30

No. 526

42765	25	Brush, brass	12 1.45
42766	25	0x. copper	12 1.65

No. 542

42767	30	Brush, brass	12 1.65
42768	30	0x. copper	12 1.95

No. 15

038853	34	Brush, brass	12 3.25
038854	34	0x. copper	12 2.85

No. 528

42769	34	Brush, brass	6 3.75
42770	34	0x. copper	6 3.50

No. 20

038849	55	Brush, brass	6 4.50
038850	55	0x. copper	6 4.00

Prices do not include shades, lamps, shade holders, sockets or wiring.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARIES BRACKET TUBES

No. 65

No. 65 is 1¼ inches long; has 1¼-inch base.



No. 65

Trade No.	Brush Brass		Price per 100
	Length Inches	Std. Pkg.	
060184	1¼	24	\$10.45
Oxidized Copper			
060208	1¼	24	14.60

No. 71

Brush Brass

027166	6	24	15.00
027167	8	24	18.00
027168	10	24	20.00

Oxidized Copper

089676	6	24	18.00
089677	8	24	21.00
089678	10	24	23.00



No. 71



No. 80

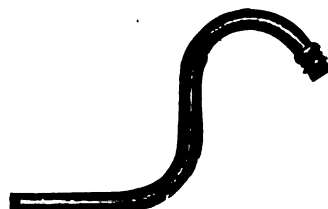
No. 80

Brush Brass

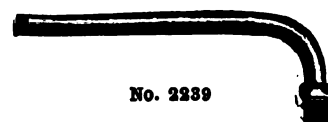
027169	6	24	15.00
027170	8	24	18.00
027171	10	24	20.00

Oxidized Copper

089679	6	24	18.00
089680	8	24	21.00
089681	10	24	23.00



No. 1072



No. 2239

No. 1072

Brush Brass

027172	6	24	25.00
027173	8	24	28.00

Oxidized Copper

089682	6	24	28.00
089683	8	24	31.00

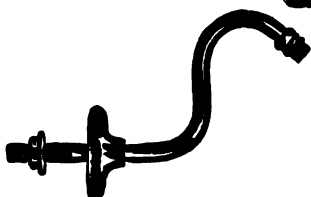
No. 2239

Brush Brass

42782	5	24	12.00
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Oxidized Copper

42783	5	24	15.00
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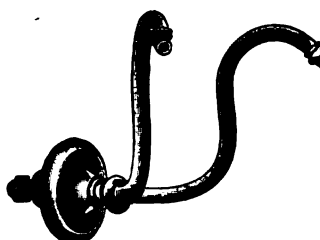


No. 158

No. 158

No. 158 is a switchboard bracket. Extends 5 inches from the front of the board.

Trade No.	Finish	Std. Pkg.	Price Each
42784	Brush brass	12	\$0.45
42785	Oxidized copper	12	.60
42786	Brush copper	12	.60

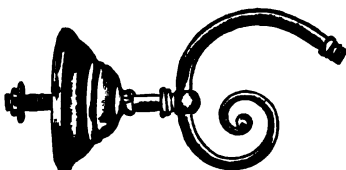


No. 1695

No. 1695

No. 1695 bracket extends 6 inches from front of the board. Spread, 5½ inches.

42787	Brush brass	12	1.10
42788	Oxidized copper	12	1.40
42789	Brush copper	12	1.40



No. 625

No. 625

No. 625 is a switchboard bracket. Extends 7 inches from the front of board.

42790	Brush brass	12	1.25
42791	Oxidized copper	12	1.45
42792	Brush copper	12	1.45

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARIES CEILING LIGHTS

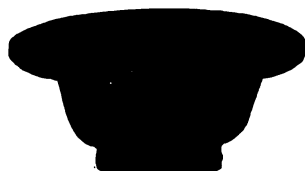
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 1888



No. 3011



No. 637



No. 635



Nos. 133 and 1556



Nos. 1068 and 1048



Nos. 638 and 639

No. 1888

For Use with Receptacle

Trade No.	Size Inches	Size, Holder Inches	Finish	Price per 100
42892	5 x 1½	2¼	Brush brass	\$50.00
42893	5 x 1½	2¼	Oxidized copper	60.00

No. 3011

For Use with Separable Sign Receptacle

Furnished without holes. Can be screwed to ceiling or will fit a 3 or 4-inch outlet box. This ceiling light is furnished with a separable sign receptacle and is used without an insulating joint.

42894	7 x 3	2¼	Brush brass	190.00
42895	7 x 3	2¼	Oxidized copper	220.00

No. 637

For Use with Receptacle

42896	6 x 2½	2¼	Brush brass	60.00
42897	6 x 2½	2¼	Oxidized copper	70.00

No. 635

For Use with Receptacle

42900	6¼ x 2	3¼	Brush brass	50.00
42901	6¼ x 2	3¼	Oxidized copper	60.00

No. 636

For Use with Receptacle

42902	6¼ x 2	4	Brush brass	58.00
42903	6¼ x 2	4	Oxidized copper	70.00

No. 133

With Securing Saddle and Nipple

084636	7 x 2½	3¼	Brush brass	90.00
084641	7 x 2½	3¼	Oxidized copper	100.00
084637	7 x 2½	4	Brush brass	100.00
084642	7 x 2½	4	Oxidized copper	110.00

No. 1556

With Securing Saddle and Nipple

42898	7 x 2½	3¼	Sheet copper, pol.	120.00
084646	7 x 2½	3¼	Sheet copper, ox.	140.00
42899	7 x 2½	4	Sheet copper, pol.	130.00
084647	7 x 2½	4	Sheet copper, ox.	150.00

No. 1556 lights are for outdoor work.

No. 1068

For Use with Receptacle

084638	7 x 2½	3¼	Brush brass	90.00
084643	7 x 2½	3¼	Oxidized copper	100.00
084639	7 x 2½	4	Brush brass	100.00
084644	7 x 2½	4	Oxidized copper	110.00

No. 1048

For Use with Receptacle

42904	7 x 2½	3¼	Sheet copper, pol.	120.00
42905	7 x 2½	3¼	Sheet copper, ox.	140.00
42906	7 x 2½	4	Sheet copper, pol.	130.00
42907	7 x 2½	4	Sheet copper, ox.	150.00

No. 1048 lights are for outdoor work.

No. 638

For Use with Receptacle

42908	8 x 2½	5	Brush brass	160.00
42909	8 x 2½	5	Oxidized copper	170.00

No. 639

For Use with Receptacle

42910	8 x 2½	5	Sheet copper, pol.	200.00
42911	8 x 2½	5	Sheet copper, ox.	220.00

No. 639 lights are for outdoor work.

NOTE.—Black iron finish also carried in stock.

FARIES CANOPIES, CASING AND TUBING



No. 2383



No. 1623



No. 109



No. 1551



No. 2385



No. 2587



No. 43



No. 42



No. 160

No. 2383

Trade No.	Size Inches	Finish	Price per 100
43036	4 1/2 x 3	Brush brass	\$22.00
43037	4 1/2 x 3	Polished brass	22.00
43038	4 1/2 x 3	Oxidized copper	27.00

No. 1623

43039	4 1/2 x 2 1/4	Brush brass	21.00
43040	4 1/2 x 2 1/4	Polished brass	21.00
43041	4 1/2 x 2 1/4	Oxidized copper	26.00

No. 109

43042	3 1/2 x 2	Brush brass	16.00
43043	3 1/2 x 2	Polished brass	16.00
43044	3 1/2 x 2	Oxidized copper	21.00

No. 1551

43045	4 1/2 x 3	Brush brass	22.00
43046	4 1/2 x 3	Polished brass	22.00
43047	4 1/2 x 3	Oxidized copper	27.00

No. 2385

43048	4 1/2 x 4	Brush brass	25.00
43049	4 1/2 x 4	Polished brass	25.00
43050	4 1/2 x 4	Oxidized copper	30.00

No. 2587

43051	6 1/2 x 4	Brush brass	60.00
43052	6 1/2 x 4	Polished brass	60.00
43053	6 1/2 x 4	Oxidized copper	70.00

Above canopies furnished with any size slip ring. Always specify size desired.

No. 43

Rope Casing, 1/4 to 1 1/4-inch

Trade No.	Description	Price per Lb.
43054	Unfinished	\$0.80
43055	Brush brass, 6-foot lengths	1.20
43056	Oxidized copper, 6-foot lengths.	1.40

No. 42

Plain Casing, 1/4 to 1 1/4-inch, 22 Gauge

43057	Unfinished .....	.70
43058	Brush brass, 6-foot lengths	1.00
43059	Oxidized copper, 6-foot lengths.	1.20

No. 110

Plain Brazed Tubing, 18 Gauge
Sizes 1/4, 1/2, 3/4, 1, and 1 1/4-inch

43060	Unfinished .....	.80
43061	Brush brass, 6-foot lengths	1.00
43062	Oxidized copper, 6-foot lengths.	1.20

No. 160

Brass Cluster Stems, 1/4-inch Iron Pipe Size
Fits any cluster.

Trade No.	Finish	Std. Pkg.	Price per Ft.
43063	Brush brass	24	\$0.24
43064	Oxidized copper	24	.28

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

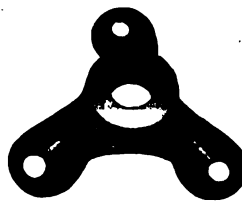
FARIES CROWFEET AND WALL PLATES



No. 1550



No. 48



No. 1004

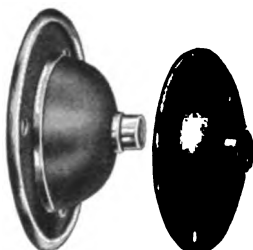


No. 1753

IRON CROWFEET

Trade No.	Mfrs. No.	Size, Tap Inches	Diameter Inches	Price per 100
43111	1550	$\frac{1}{8}$	$2\frac{3}{4}$	\$4.00
43112	1550A	$\frac{1}{4}$	$2\frac{3}{4}$	4.00
43113	1550B	$\frac{3}{8}$	$2\frac{3}{4}$	4.00
43114	1549	$\frac{1}{8}$	$2\frac{1}{4}$	3.00
43115	1549	$\frac{1}{4}$	$2\frac{1}{4}$	3.00

No. 1549 is same as No. 1550.

Nos. 2913
and 1684

No. 1683

060175	48	$\frac{1}{8}$	3	3.00
060176	48A	$\frac{1}{4}$	3	3.00
060177	48B	$\frac{3}{8}$	3	3.00
060173	1004	$\frac{1}{8}$	$2\frac{3}{4}$	2.50
060174	1004A	$\frac{1}{4}$	$2\frac{3}{4}$	2.50

SOCKET HOOKS

Trade No.	Mfrs. No.	Description	Price Each
43116	1753	$\frac{1}{8}$ -inch thread to fit regular socket....	\$0.24

Nos. 2732
and 2731

No. 95

WALL PLATES

Trade No.	Mfrs. No.	Size Inches	Type	Finish	Price per 100
43117	2913	$3\frac{1}{2} \times 1\frac{1}{2}$	Male	Brush brass	\$15.00
43118	2913	$3\frac{1}{2} \times 1\frac{1}{2}$	Male	Oxidized copper	17.00
43119	1684	$3\frac{1}{2} \times 1\frac{1}{2}$	Female	Brush brass	15.00
43120	1684	$3\frac{1}{2} \times 1\frac{1}{2}$	Female	Oxidized copper	17.00
43121	1683	2	Male	Brush brass	7.00
43122	1683	2	Male	Oxidized copper	9.00
43123	1683	2	Female	Brush brass	7.00
43124	1683	2	Female	Oxidized copper	9.00
43125	95	$1\frac{1}{4}$	Male	Brush brass	3.50
43126	95	$1\frac{1}{4}$	Male	Oxidized copper	4.00
43127	95	$1\frac{1}{4}$	Female	Brush brass	3.50
43128	95	$1\frac{1}{4}$	Female	Oxidized copper	4.00
43129	2732	$3\frac{1}{2} \times 1\frac{1}{2}$	Male	Brush brass	16.00
43130	2732	$3\frac{1}{2} \times 1\frac{1}{2}$	Male	Oxidized copper	18.00
43131	2731	$3\frac{1}{2} \times 1\frac{1}{2}$	Female	Brush brass	16.00
43132	2731	$3\frac{1}{2} \times 1\frac{1}{2}$	Female	Oxidized copper	18.00
43133	797	$3\frac{5}{8} \times 3\frac{3}{4}$	Male	Brush brass	35.00
43134	797	$3\frac{5}{8} \times 3\frac{3}{4}$	Male	Oxidized copper	40.00
43135	2725	$3\frac{5}{8} \times 3\frac{3}{4}$	Female	Brush brass	35.00
43136	2725	$3\frac{5}{8} \times 3\frac{3}{4}$	Female	Oxidized copper	40.00
43137	646	$3\frac{5}{8} \times 3\frac{3}{4}$	Male	Brush brass	40.00
43138	646	$3\frac{5}{8} \times 3\frac{3}{4}$	Male	Oxidized copper	45.00
43139	647	$3\frac{5}{8} \times 3\frac{3}{4}$	Female	Brush brass	40.00
43140	647	$3\frac{5}{8} \times 3\frac{3}{4}$	Female	Oxidized copper	45.00

Nos. 797, 2725, 646 and 647 are deep wall plates for ceiling lights, for electric pendant or bracket over gas outlet without insulating joint.

All of the above wall plates are tapped for $\frac{1}{8}$ -inch iron thread, except Nos. 646 and 647, which are for $\frac{3}{8}$ -inch iron thread.



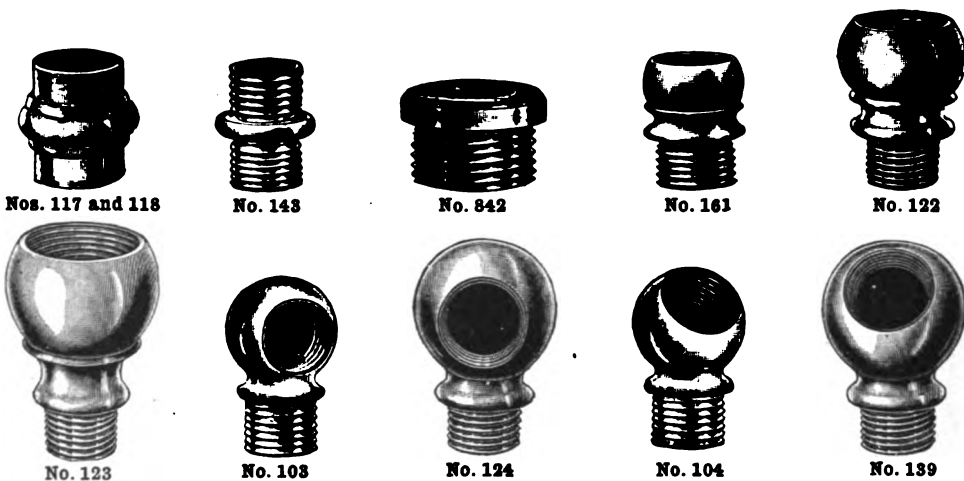
Nos. 797 and 2725



Nos. 646 and 647

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FIXTURE FITTINGS



CONNECTORS, BUSHINGS AND NIPPLES

Trade No.	Mfrs. No.	Description	Size, Thread Inches	Price per 100
020213	117	Polished brass connector.....	$\frac{1}{8} \times \frac{1}{8}$	\$ 4.50
020214	118	Polished brass connector.....	$\frac{3}{8} \times \frac{3}{8}$	15.00
55641	143	Unfinished brass nipple.....	$\frac{1}{8} \times \frac{1}{8}$	2.00
020212	842	Unfinished brass bushing...	$\frac{3}{8} \times \frac{1}{8}$	5.00
020211	843	Unfinished brass bushing...	$\frac{3}{8} \times \frac{1}{4}$	5.00
020210	844	Unfinished brass bushing...	$\frac{1}{4} \times \frac{1}{8}$	3.50

BRASS NOZZLES

55642	161	Polished brass.....	$\frac{1}{8} \times \frac{1}{8}$	3.00
020219	122	Polished brass.....	$\frac{1}{4} \times \frac{1}{8}$	9.00
55643	123	Polished brass.....	$\frac{3}{8} \times \frac{1}{8}$	15.00
55644	103	Polished brass.....	$\frac{1}{8} \times \frac{1}{8}$	6.00
020220	124A	Polished brass.....	$\frac{1}{4} \times \frac{1}{8}$	12.00
55645	104	Polished brass.....	$\frac{1}{8} \times \frac{1}{8}$	6.00
020221	139A	Polished brass.....	$\frac{1}{4} \times \frac{1}{8}$	12.00

BRASS NIPPLES

Angle

Trade No.	Mfrs. No.	Size, Thread Inches	Price per 100
020225	897	$\frac{1}{8}$ iron	\$30.00
020226	107	$\frac{1}{8}$ iron	12.00

Straight

Trade No.	Mfrs. No.	O. D. Inches	Size, Thread Inches	Length Inches	Price per 100
020227	88	$\frac{3}{8}$	$\frac{1}{8}$ iron	1	\$4.00
020228	88	$\frac{3}{8}$	$\frac{1}{8}$ iron	2	6.00
020229	88	$\frac{3}{8}$	$\frac{1}{8}$ iron	3	8.00
020230	88	$\frac{3}{8}$	$\frac{1}{8}$ iron	4	10.00
020231	88	$\frac{3}{8}$	$\frac{1}{8}$ iron	6	12.00

CHANDELIER LOOPS

Trade No.	Mfrs. No.	Size Inches	Description	Price Each
55646	450	$\frac{3}{8}$	Male thread	\$0.10
55647	451	$\frac{3}{8}$	Female thread	.10
55648	452	$\frac{1}{2}$	Male thread	.12
55649	453	$\frac{1}{2}$	Female thread	.12

CHANDELIER HOOKS

55650	445	$\frac{3}{8}$	Male thread	.10
55651	446	$\frac{3}{8}$	Female thread	.10
55652	447	$\frac{1}{2}$	Male thread	.12
55653	448	$\frac{1}{2}$	Female thread	.12

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



MACALLEN ARMORED INSULATING JOINTS

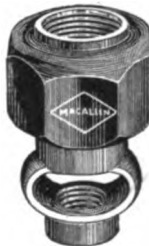
INSULATING JOINTS FOR COMBINATION FIXTURES

Combination
Insulating JointCombination
Insulating Joint
Sectional View

Trade No.	Mfrs. No.	Size of Thread Inches	Price Each
106070	7539	1/8x 1/8	\$0.38
106071	7540	1/4x 1/8	.38
106072	7500	1/4x 1/4	.38
106073	7501	3/8x 1/8	.38
106074	7502	3/8x 1/4	.38
106075	7503	3/8x 3/8	.38
106076	7504	1/2x 1/8	.50
106077	7505	1/2x 1/4	.50
106078	7506	1/2x 3/8	.50
106079	7507	1/2x 1/2	.50
106080	7508	3/4x 3/8	1.25
106081	7509	3/4x 1/2	1.25
106082	7510	3/4x 3/4	1.25
106083	7511	1 x 1/2	1.75
106084	7512	1 x 3/4	1.75
106085	7513	1 x 1	1.75
106086	7514	1 1/4x 1 1/4	3.75
106087	7515	1 1/2x 1 1/2	6.00
106088	7516	2 x 2	9.00

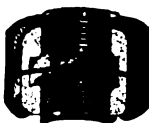
ELECTROLIER OR SEPARABLE JOINTS

Electrolier joints are fitted with solid male studs tapped standard iron pipe sizes.

Electrolier
Insulating Joint

106089	7601	3/8x 1/8	.40
106090	7602	3/8x 1/4	.40
106091	7603	3/8x 3/8	.40
106092	7604	1/2x 1/8	.55
106093	7605	1/2x 1/4	.55
106094	7606	1/2x 3/8	.55
106095	7607	1/2x 1/2	.57 1/2
106096	7608	3/4x 3/8	1.60
106097	7609	3/4x 1/2	1.60
106098	7610	3/4x 3/4	1.60
106099	7611	1 x 3/4	2.25
106100	7612	1 x 1	2.25

BLANK INSULATING JOINTS FOR EXTERNALLY WIRED FIXTURES

Blank
Insulating JointBlank
Insulating Joint
Sectional View

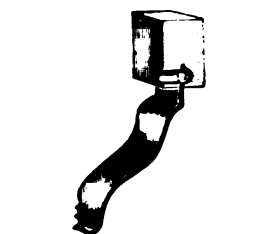
106101	7739	1/8x 1/8	.38
106102	7740	1/4x 1/8	.38
106103	7700	1/4x 1/4	.38
106104	7701	3/8x 1/8	.38
106105	7702	3/8x 1/4	.38
106106	7703	3/8x 3/8	.38
106107	7704	1/2x 1/8	.50
106108	7705	1/2x 1/4	.50
106109	7706	1/2x 3/8	.50
106110	7707	1/2x 1/2	.50
106111	7708	3/4x 3/8	1.25
106112	7709	3/4x 1/2	1.25
106113	7710	3/4x 3/4	1.25
106114	7711	1 x 1/2	1.75
106115	7712	1 x 3/4	1.75
106116	7713	1 x 1	1.75
106117	7714	1 1/4x 1 1/4	3.75
106118	7715	1 1/2x 1 1/2	6.00
106119	7716	2 x 2	9.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CANOPY INSULATORS AND HICKEYS



Canopy Insulator

Showing Section of Insulator
Attached to Canopy

Knu Canopy Insulator



Hickey

E. E. B. CANOPY INSULATORS

Included in the list of approved electrical fittings, issued by the Underwriters' National Electric Association.

E. E. B. 4-inch curls canopy insulation are adapted to all sizes of round, square and oval canopies.

Straight strips for square canopies.

Stock slotted for 24 and 22 B. & S. gauge metal; 18 and 20 gauge are special.

4-inch curls and straight strips measure 64 to 66 inches.

One 4-inch curl contains sufficient insulation for four 5-inch, three 6-inch, or two 10-inch shells.

Short ends can be used to economize.

Securely fastened to canopy with a special hand punch, without the use of brads or rivets, which ground in many instances.

Trade No.	Description	Price per 100
41089	4-inch curls	\$40.00
41090	10-inch curls	40.00
41091	Straight 64 to 66-inch strips	39.00
41092	Straight 32 to 33-inch strips	19.50
41093	Hand punch, price each	2.00
41094	Extra points for pliers, price each .....	.10

KNU CANOPY INSULATORS

Approved by National Board of Fire Underwriters. Can be applied to any canopy, of any diameter, without the use of special tools, by any ordinary mechanic, and stays put. With a little practice 60 to 100 canopies can be insulated in an hour.

Trade No.	Description	Price per Roll
52099	In rolls 11 to 12 feet	\$0.50

MALLEABLE IRON HICKEYS

Both Ends Tapped for Standard Pipe Sizes

Trade No.	Size Inches	Price Each	Trade No.	Size Inches	Price Each
041450	$\frac{1}{8} \times \frac{1}{8}$	\$0.06	041462	$\frac{1}{2} \times \frac{1}{4}$	\$0.10
041451	$\frac{1}{4} \times \frac{1}{8}$	.06	041463	$\frac{1}{2} \times \frac{3}{8}$	.10
041452	$\frac{1}{4} \times \frac{1}{4}$	.06	041456	$\frac{1}{2} \times \frac{1}{2}$	.10
041453	$\frac{3}{8} \times \frac{1}{8}$	.08	041464	$\frac{3}{4} \times \frac{1}{2}$	.17 $\frac{1}{2}$
041454	$\frac{3}{8} \times \frac{1}{4}$	.08	041457	$\frac{3}{4} \times \frac{3}{4}$	.17 $\frac{1}{2}$
041455	$\frac{3}{8} \times \frac{3}{8}$	.08	041465	1 x $\frac{3}{4}$	.25
041461	$\frac{1}{2} \times \frac{1}{8}$	.10	041458	1 x 1	.25

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

REFLECTORS



Type TB—Pheno



Type TF—Pheno

PHENO REFLECTORS

Pheno is a pure white marble glass and produces a beautiful mellow white light with profuse illumination.

Type TB

Trade No.	DIMENSIONS, INCHES		Size Holder Inches	Lamps Watts	Price per Doz.
	Width	Height			
016935	6	4 $\frac{5}{8}$	2 $\frac{1}{4}$	40	\$ 5.00
016936	7	5 $\frac{1}{8}$	2 $\frac{1}{4}$	60	8.13
016937	8	6	2 $\frac{1}{4}$	100	9.13 ✓
016938	9 $\frac{1}{2}$	7	3 $\frac{1}{4}$	150	16.25
016939	11	8 $\frac{1}{4}$	3 $\frac{1}{4}$	250	25.00
016940	13	9	4	500	52.50

Type TF

Trade No.	Width	Height	Size Holder Inches	Lamps Watts	Price per Doz.
016941	7	3 $\frac{3}{8}$	2 $\frac{1}{4}$	40	6.00
016942	9	3 $\frac{7}{8}$	2 $\frac{1}{4}$	60	11.25
016943	11	4 $\frac{5}{8}$	2 $\frac{1}{4}$	100	16.50
016944	12 $\frac{1}{2}$	5	3 $\frac{1}{4}$	150	25.00
016945	15	5 $\frac{1}{4}$	3 $\frac{1}{4}$	250	33.75

MOONSTONE DORIC REFLECTORS

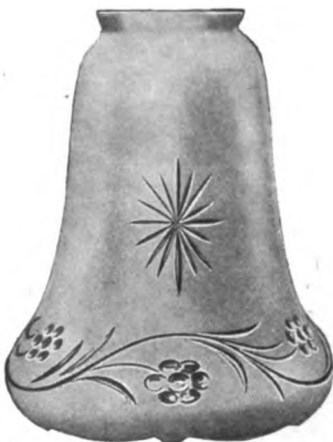
For Mazda High Efficiency Lamps

Trade No.	Mfrs. No.	SIZE, INCHES		Size Fitter, In.	Sd. Pkg. Dosa.	Wattage of Lamps	Price Each
		Diam.	Depth				
129193	1202 $\frac{1}{2}$	7 $\frac{1}{4}$	4 $\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{2}$	60	\$1.20
129196	1212 $\frac{1}{2}$	9 $\frac{1}{8}$	3 $\frac{5}{8}$	2 $\frac{1}{4}$	2 $\frac{1}{2}$	60	1.20

Form H or long holder is used with Nos. 1202 $\frac{1}{2}$ and 1212 $\frac{1}{2}$.

PRESSED AND ROUGHED REFLECTORS

Trade No.	Mfrs. No.	DIMENS., INCHES		Size Holder Inches	Price Each
		Diam.	Height		
135690	126	4	6	2 $\frac{1}{4}$	\$0.55



No. 126

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

REFLECTORS



No. 255



No. 4251



No. 256



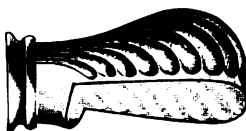
No. 4184



No. 1518



No. 4002C



No. 2900

OPAL REFLECTORS

Flat, Plain—No. 255

Trade No.	DIMENSIONS, INCHES			Price per Doz.
	Diam.	Height	Holder	
021543	8	1 3/8	2 1/4	\$1.75
021544	10	1 1/2	2 1/4	2.13
021545	12	2	2 1/4	3.50
021546	14	2 1/8	3 1/4	4.50
021547	16	2 1/4	3 1/4	6.25
021548	18	2 1/2	3 1/4	8.50

Flat, Crimped or Fluted—No. 4251

021540	8	2	2 1/4	1.75
021541	10	2 1/4	2 1/4	2.13

Scalloped—No. 256

021535	6	3	2 1/4	1.50
021537	8	4	2 1/4	1.75

Deep Cone, Fluted—No. 4184

021551	6	3	2 1/4	1.50
021553	8	4 1/4	2 1/4	1.75

IMPORTED GREEN PORCELAIN SHADES

White Porcelain Inside, Deep Green Porcelain Outside

Trade No.	Mfrs. No.	DIMENSIONS, INCHES			Std. Pkg.	Price per Doz.
		Diam.	Height	Holder		
41563	1518	7	....	2 1/4	....	\$7.20
41564	1519	10	....	2 1/4	....	12.00

MAGIAN REFLECTORS

Trade No.	Mfrs. No.	DIMENSIONS, INCHES			Std. Pkg.	Price per Doz.
		Diam.	Height	Holder		
41561	4002C	5 1/4	3 3/8	2 1/4	120	\$6.25
41562	4005C	7	3 3/8	2 1/4	72	9.00

IMPORTED GREEN PORCELAIN HALF SHADES

White Porcelain Inside, Green Porcelain Outside

Trade No.	Mfrs. No.	Price per Doz.
41565	2900	\$8.40

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

GLASS SHADES



No. 5650



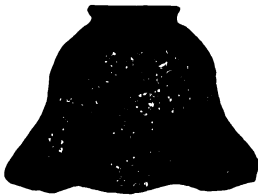
No. 9782 1/2



No. B-41 1/2



No. B-1906 1/2



No. 5990 1/2



No. 10042 1/2



No. 9959 1/2

No. 5650
Pressed Glass

Trade No.	Width Inches	Height Inches	Holder Inches	Price Each
42023	4 3/4	4	2 1/4	\$0.25

No. 9782 1/2
Pressed Glass

42024	4 1/2	4	2 1/4	.25
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No. B-41 1/2
Crystal Glass

42025	4	4	2 1/4	.25
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No. B-1906 1/2
White Acid Etching

42026	6	3	2 1/4	.40
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No. 5990 1/2
Acid Etched

42027	6	4 1/4	2 1/4	.45
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No. 10042 1/2
Crystal Roughed Inside

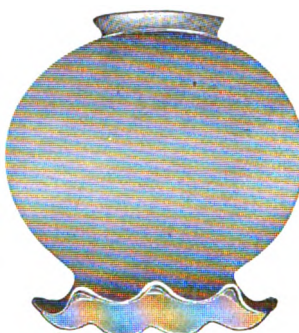
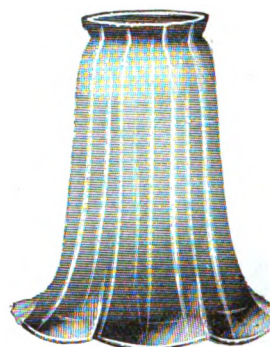
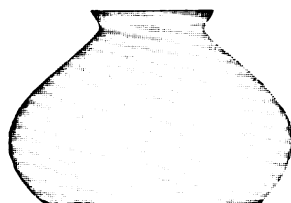
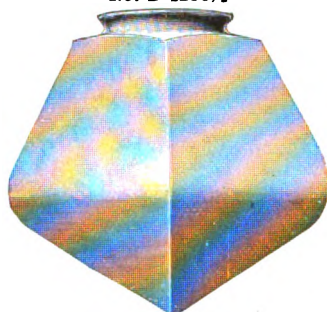
42028	5	4 1/4	2 1/4	.50
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No. 9959 1/2
Crystal Roughed Inside

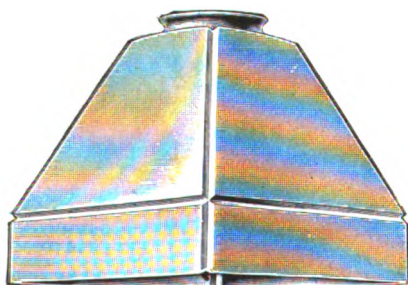
42029	4 3/4	4 1/2	2 1/4	.40
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

GLASS SHADES

No. 10442 $\frac{1}{2}$ No. B-440 $\frac{1}{2}$ No. B-450 $\frac{1}{2}$ No. B-4239 $\frac{1}{2}$ 

No. B-180



No. B-4033

No. B-2013 $\frac{1}{2}$ No. 10442 $\frac{1}{2}$

Crystal Roughed Inside

Trade No.	DIMEN., INCHES Width	Height	Size Holder Inches	Price Each
41973	4 $\frac{1}{2}$	6 $\frac{3}{4}$	2 $\frac{1}{4}$	\$0.75

No. B-440 $\frac{1}{2}$

Crystal Roughed Inside

Trade No.	DIMEN., INCHES Width	Height	Size Holder Inches	Price Each
41974	5	5	2 $\frac{1}{4}$	\$0.40

No. B-450 $\frac{1}{2}$

Crystal Roughed Inside

Trade No.	DIMEN., INCHES Width	Height	Size Holder Inches	Price Each
41975	5	6	2 $\frac{1}{4}$	\$0.55

No. B-4239 $\frac{1}{2}$

Crystal Roughed Inside

Trade No.	DIMEN., INCHES Width	Height	Size Holder Inches	Price Each
41976	5	4	2 $\frac{1}{4}$	\$0.35

No. B-180

Crystal Roughed Inside

Trade No.	DIMEN., INCHES Width	Height	Size Holder Inches	Price Each
41977	...	6	3 $\frac{1}{4}$	\$0.70
41978	...	7	3 $\frac{1}{4}$	.80
41979	...	8	3 $\frac{1}{4}$	1.20

No. B-4033

Crystal Roughed Inside

Trade No.	DIMEN., INCHES Width	Height	Size Holder Inches	Price Each
41980	6	6	2 $\frac{1}{4}$	\$0.85

No. B-2013 $\frac{1}{2}$

Trade No.	DIMEN., INCHES Width	Height	Size Holder Inches	Price Each
41981	6	3	2 $\frac{1}{4}$	\$0.40

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

GLASS SHADES



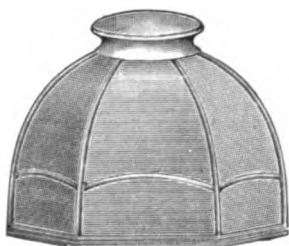
No. B-165 1/2



No. B-4780 1/2



No. 10043 1/2



No. B-500 1/2



No. 10366 1/2



No. B-007 1/2



Nos. 10160 and B-250



No. B-505



No. 702

Trade No.	Width Inches	Height Inches	Holder Inches	Price Each
42041	4	4 1/2	2 1/4	\$0.50
	No. B-165 1/2 Crystal Roughed Inside			
42042	4 3/4	4	2 1/4	.80
	No. B-4780 1/2 Crystal Roughed Inside			
42043	5 1/2	4 1/4	2 1/4	.50
	No. 10043 1/2 Crystal Roughed Inside			
42044	4 1/2	4	2 1/4	.45
	No. B-500 1/2 Crystal Roughed, Clear Lines			
42045	4 5/8	4 3/4	2 1/4	.40
	No. 10366 1/2 Crystal Roughed Inside			
42046	7	...	2 1/4	.60
	No. B-007 1/2 Frosted with Crystal Stars and Bars			
42047	6	4 1/2	2 1/4	.35
	No. 10160 Crystal Roughed Inside			
42048	8	...	2 1/4	.55
	No. B-250 Crystal Roughed Inside			
	BALLS			
Trade No.	Mfrs. No.	Diam. Inches	Holder Inches	Price Each
42049	B-505	5	3 1/4	\$0.45
42050	B-506	6	3 1/4	.50
42051	B-507	7	3 1/4	.65
42052	B-507 1/2	7	4	.65
42053	B-508	8	3 1/4	.80
42054	B-508 1/2	8	4	.80
42055	B-551	10	4	1.80
42056	B-552	12	6	2.70
	DOMES			
42057	702	7	2 1/4	.40
42058	702 1/2	7	2 1/4	.50
	Plain Straw Opalescent			

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

X-RAY REFLECTORS



No. 555

The remarkable efficiency of X-Ray Reflectors is due to the method of construction and the processes used in their manufacture. Made of glass in one piece, they are easily cleaned and do not fall apart. A bright silvered surface is always presented for reflecting purposes.

Permanency of efficiency is one of the strong points of this product. The spiral and vertical corrugations eliminate streaks and shadows, and assist in the diffusion of the light.

X-Ray Reflectors are adapted for all classes of direct and store window lighting.

DISTRIBUTING REFLECTORS

The X-Ray line of distributing reflectors, known as the Beehive type, are designed along the latest scientific lines. They give a wide spread of light and hide the lamp from view without sacrificing the efficiency. This line is especially well adapted for the illumination of factories, shops of all kinds, gymnasiums, armories, indoor ball and tennis courts, pressrooms, power houses and foundries, etc. The Beehive Reflectors are used with all Type B lamps 25 to 250 watts and 100 and 200-watt Type C lamps.



No. 575

Trade No.	Mfrs. No.	DIMENS., INCHES Diam. Height	Size of Holder, In.	Size of Lamp Watts	Std. Pkg.	Price Each
038837	555	6 $\frac{3}{8}$ 5 $\frac{1}{8}$	2 $\frac{1}{4}$	25, 40 and 60	36	\$1.00
038840	565	7 $\frac{5}{8}$ 7 $\frac{1}{8}$	2 $\frac{1}{4}$	100	15	1.50
57621	570	7 $\frac{7}{8}$ 6 $\frac{7}{8}$	3 $\frac{1}{4}$	100 Type C	16	1.75
57620	575	9 $\frac{3}{8}$ 8	3 $\frac{1}{4}$	200 Type C	8	2.40

CONCENTRATING REFLECTORS

The concentrating reflectors should be used whenever a very intense light is wanted over a small area, such as over desks, counters, special machinery, etc.

The No. 700 reflector, which is similar in design to the No. 696, as illustrated, is called a semi-concentrating reflector because it does not spread the light as far as the distributing reflectors, and yet does not confine the light into such a small area as do the concentrating reflectors. Use Type B lamps with these reflectors.



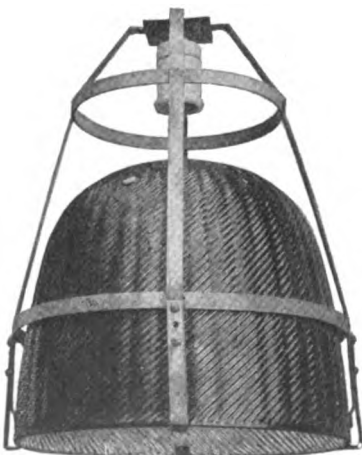
No. 696

Trade No.	Mfrs. No.	DIMENS., INCHES Diam. Height	Size of Holder, In.	Size of Lamp Watts	Std. Pkg.	Price Each
038835	696	8 5	2 $\frac{1}{4}$	25, 40 and 60	24	\$1.25
57616	710	11 $\frac{1}{2}$ 6 $\frac{3}{4}$	3 $\frac{1}{4}$	200 Type C	6	2.50
038836	700	10 5 $\frac{1}{2}$	2 $\frac{1}{4}$	100	18	1.50

JUMBO REFLECTORS

The Jumbo is the largest one-piece glass reflector ever blown and is especially suitable for the efficient illumination of large interiors, such as coliseums, erecting shops, armories, etc. They can be used with 500, 750 or 1000-watt Type C lamps.

The special holder can be supplied with an adjustable feature which makes it possible to obtain 2 or 3 degrees of spread to the light.



No. 770

Trade No.	Mfrs. No.	DIMENS., INCHES Diam. Height	Size of Lamp Watts	Std. Reflector Pkg.	Price, Each with Holder
57619	770	16 $\frac{1}{2}$ 13 $\frac{3}{8}$	500, 750, 1000	1	\$25.00

Dimensions given are for reflector only.

The holder is special.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

X-RAY REFLECTORS



Jove Reflector



Jupiter Reflector



Scoopette Reflector



Hoodette Reflector

JOVE REFLECTORS

Jove Reflectors are scientifically correct window lighting reflectors with temperature backing, designed especially for use with a 100-watt gas-filled Type C lamp. The reflector and lamp give the highest intensity of uniform store window illumination ever produced with 100 watts. Their shape completely hides the intensely bright lamp filament and the special corrugations properly break up and distribute the light. They have been designed for windows of average proportions, those whose height is one to one and one-half times their depth. Because the lamp filament is completely concealed, reflection from glass or mirror backgrounds is eliminated and this bright filament cannot be seen from the interior of the store. The cut-off at the glass front is very sharp, without any sacrifice of the high intensity so essential at the front of the window.

Trade No.	Mfrs. No.	DIMENS., INCHES			Size of Holder, In.	Std. Pkg.	Price Each
67434	600	10	9 $\frac{1}{8}$	7 $\frac{5}{8}$	3 $\frac{1}{4}$	12	\$4.00

JUPITER REFLECTORS

Jupiter Reflectors are more concentrating than the Jove, also designed for the 100-watt Type C lamp. They are used for the brilliant illumination of show windows whose height equals about twice their depth. A new high temperature backing is used which indefinitely withstands the intense heat of the gas-filled Type C lamps. Dimensions are similar to the Jove and use the same shade holder; hence, when used together, alternated, they make a neat appearance in the window. They are made as small as possible to secure proper results.

67435	610	10	10 $\frac{1}{8}$	7 $\frac{5}{8}$	3 $\frac{1}{4}$	12	4.00
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SCOOPETTE REFLECTORS

The Scoopette Reflectors for show case lighting are used with complete equipment from floor outlet to lamp. Small 15-watt lamps are used with Scoopettes. The problems successfully solved in the development of this equipment are: Least possible obstruction to clear view of interior of case, even and efficient illumination with complete concealment of lamp, low current consumption and maintenance, smallest possible amount of heat in case, absolute safety from fire risks, complete equipment floor outlet to lamp.

Write for prices and description of complete show case lighting outfits.

HOODETTE REFLECTORS

The Hoodette Reflectors have been especially designed for lighting low, shallow windows, outside display cases, wall cases, etc. They are miniature hood reflectors. The light is so controlled by these reflectors that, while sufficient is directed toward the back to amply illuminate the upper part of the case, the greater portion is directed downward and brilliantly illuminates the lower part, without loss of light outside the case.

Like all other X-Ray reflectors the Hoodette conceals the lamp filament from the eyes of the spectators.

These reflectors are placed at the inside upper front edge of the case, where they are hidden by the framework. They are furnished complete with a specially designed combination socket and reflector holder. These sockets, which are the same type as used with the Scoopette, take a small G-16 $\frac{1}{2}$, 15-watt lamp, the most efficient candelabra base lamp made.

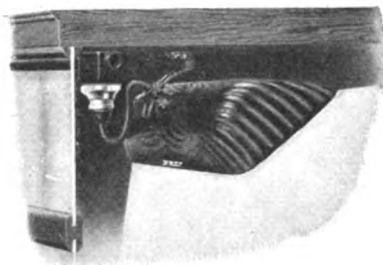
67436	S-99	3 $\frac{1}{8}$	5 $\frac{3}{8}$	4 $\frac{1}{8}$	Special	10	2.75
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

X-RAY REFLECTORS



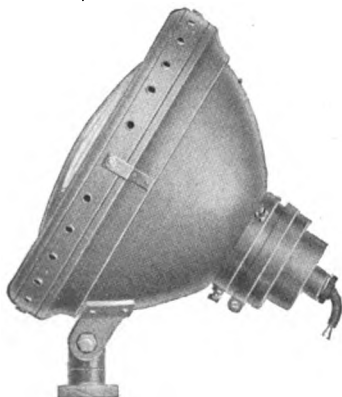
Scoop



No. 750



Hood



No. 51

SCOOP REFLECTORS

The Scoop Reflector is designed for windows of medium size where the depth is approximately equal to the height. With this reflector the 60-watt Mazda B lamp gives the best results. This reflector gives a strong downward light and throws very little light out on the sidewalk.

Trade No.	Mfrs. No.	DIMENS., INCHES		Size of Holder	Std. Pkg.	Price Complete
		Width	Depth	Ht.		
038843	777	9	7½	6¾	2¼	16 \$3.00

POKE BONNET REFLECTORS

This sectional trough reflector with adjustable holder is easily attached to the ceiling or transom bar. The lamps are held in this reflector by a nickel-plated twin socket. The largest lamp bulb which can be used in this reflector is a 60-watt Type B Mazda lamp.

This reflector is adapted to low, deep windows where the reflectors cannot be placed more than 6 to 10 feet above the bottom of the window.

Trade No.	Mfrs. No.	Size Inches	Std. Pkg.	Price Complete
038844	750	14x7x3¼	8	\$6.50

HOOD REFLECTORS

The Hood Reflector is designed to light low, shallow windows as efficiently as the Jupiter lights higher windows of the same type. The design of this reflector is such as to produce a high concentration in the window, cutting the light off sharply at the window plate.

The Hood closely follows correct window lighting principles. It is installed at the ceiling near the glass front, hides the lamp, and practically eliminates unpleasant glare.

Used with 60-watt Type B lamps.

Trade No.	Mfrs. No.	DIMENS., INCHES			Size of Holder	Std. Pkg.	Price Each
		Width	Depth	Height	Inches		
57618	730	9	9½	5½	2¼	15	\$3.00

X-RAY PROJECTORS FOR FLOOD LIGHTING

For use with 250-watt, G-30, Mazda C flood lighting lamp.

The complete projector unit consists of a weather-proof, ventilated, cold galvanized and enameled steel housing, with heat-resisting glass cover; X-ray Projector Reflector; special arrangement for adjusting lamp position from the exterior; porcelain lined weather-proof socket. Standard finish of housing is a neutral gray baked enamel.

No. 50 unit may be attached directly to standard ½-inch conduit.

No. 51 unit is equipped with swivel and tilting attachment for bolting to supporting surfaces.

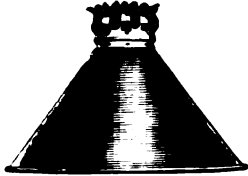
The reflector is designed to concentrate the maximum light from the lamp into a powerful beam. The angle of divergence of the beam may be varied from 12-20 degrees. With a 12-degree beam, the 250-watt lamp gives a maximum candle power of 67760.

Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
109147	50	\$19.50	109148	51	\$19.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARIES METAL SHADES

HOLDERS PATENTED



No. 544



No. 2237



No. 27



No. 26



No. 28



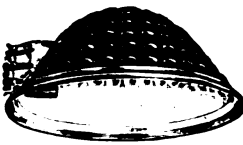
No. 53



No. 54



No. 55



No. 94

Trade No.	Diameter Inches	Finish	Std. Pkg.	Price Each
42351	7	Frosted steel	24	\$0.35
42352	7	Frosted aluminum	24	.45
42353	7	Polished aluminum	24	.60
42354	8	Frosted aluminum	24	.65
42355	8	Polished aluminum	24	.80
42356	10	Frosted aluminum	12	.80
42357	10	Polished aluminum	12	1.00
No. 2237				
42358	7	Polished dimpled	24	.60
42359	8	Polished dimpled	24	.80
No. 27—PARABOLA				
07247	7	Frosted steel	36	.35
07248	7	Frosted aluminum	48	.45
07245	7	Polished aluminum	48	.60
42366	7	Brush brass	24	.50
42367	7	Oxidized copper	24	.50
07244	8	Frosted aluminum	24	.65
07246	8	Polished aluminum	24	.80
No. 26				
07233	7	Frosted steel	36	.35
07227	7	Frosted aluminum	48	.45
42360	7	Brush brass	24	.50
42361	7	Oxidized copper	24	.50
07230	7	Polished aluminum	48	.60
07228	8	Frosted aluminum	24	.65
07231	8	Polished aluminum	24	.80
07229	10	Frosted aluminum	24	.80
07232	10	Polished aluminum	24	1.00
No. 28				
07236	7	Frosted steel	24	.35
07234	7	Frosted aluminum	24	.45
42362	7	Brush brass	24	.50
42363	7	Oxidized copper	24	.50
07235	7	Polished aluminum	24	.60
No. 53				
07237	8	Frosted aluminum	24	.65
07238	8	Polished aluminum	24	.80
42364	10	Frosted aluminum	12	.80
42365	10	Polished aluminum	12	1.00
No. 54				
07239	9½	Frosted aluminum	24	.80
07240	9½	Polished aluminum	24	1.00
No. 55				
07241	10	Frosted aluminum	24	.80
07242	10	Polished aluminum	24	1.00
No. 94—PARABOLA				
07248	7	Polished dimpled	24	.60
07249	8	Polished dimpled	24	.80

Steel and aluminum shades are green enameled outside. Brush brass and oxidized copper are frosted inside.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARIES METAL SHADES

WITH NEW STYLE PATENTED HOLDERS



No. 027



No. 026



No. 053



No. 054



No. 055



No. 36



No. 60

No. 027

Trade No.	Mfrs. No.	Diam. In.	Depth In.	For Lamp Size Watts	Finish	Std. Pkg.	Price Each
42973	027 A	7	2 7/8	25-75	Frosted steel	36	\$0.35
42974	027	7	2 7/8	25-75	Frosted aluminum	48	.45
42975	027 B	7	2 7/8	25-75	Polished aluminum	48	.60
42976	027 C	7	2 7/8	25-75	Brush brass	24	.50
42977	027 D	7	2 7/8	25-75	Oxidized copper	24	.50
42991	027 E	8	3 3/8	40-75	Frosted steel	24	.55
42978	027 F	8	3 3/8	40-75	Frosted aluminum	24	.65
42979	027 G	8	3 3/8	40-75	Polished aluminum	24	.80

No. 026

42951	026A	7	5 1/4	25-60	Steel, fr. inside	36	.35
42952	026	7	5 1/4	25-60	Alum., fr. inside	48	.45
42953	026B	7	5 1/4	25-60	Br. brass, fr. inside	24	.50
42954	026C	7	5 1/4	25-60	Ox. cop., fr. inside	24	.50
129117	026D	7	5 1/4	25-60	N.P., fr. inside	24	.50
42955	026E	7	5 1/4	25-60	Alum., pol. inside	48	.60
129118	026F	8	5 7/8	25-60	Steel, fr. inside	36	.50
42956	026G	8	5 7/8	25-60	Alum., fr. inside	24	.65
42957	026H	8	5 7/8	25-60	Alum., pol. inside	24	.80
129119	026I	10	6 1/8	25-100	Steel, fr. inside	36	.70
42958	026J	10	6 1/8	25-100	Alum., fr. inside	24	.85
42959	026K	10	6 1/8	25-100	Alum., pol. inside	24	1.00

No. 053

129120	053A	8	5 1/8	25-75	Steel, fr. inside	36	.60
42965	053	8	5 1/8	25-75	Alum., fr. inside	24	.70
42966	053B	8	5 1/8	25-75	Alum., pol. inside	24	.80
129121	053C	10	6 1/8	25-100	Steel, fr. inside	36	.70
42967	053D	10	6 1/8	25-100	Alum., fr. inside	24	.85
42968	053E	10	6 1/8	25-100	Alum., pol. inside	24	1.00

No. 054

129123	054A	10	4 3/4	25-60	Steel, fr. inside	36	.60
129122	054	10	4 3/4	25-60	Alum., fr. inside	24	.80
129124	054B	10	4 3/4	25-60	Alum., pol. inside	24	.90
129125	054C	12	4 7/8	25-100	Steel, fr. inside	36	.70
129126	054D	12	4 7/8	25-100	Alum., fr. inside	24	.90
129127	054E	12	4 7/8	25-100	Alum., pol. inside	24	1.10

No. 055

129128	055A	8	3	25-75	Steel, fr. inside	48	.40
129129	055B	8	3	25-75	Alum., fr. inside	48	.55
129130	055C	8	3	25-75	Alum., pol. inside	48	.65
129131	055D	10	3 1/8	25-75	Steel, fr. inside	48	.50
42971	055	10	3 1/8	25-75	Alum., fr. inside	36	.75
42972	055E	10	3 1/8	25-75	Alum., pol. inside	36	.90
129132	055F	12	3 1/2	25-75	Steel, fr. inside	36	.70
129133	055G	12	3 1/2	25-75	Alum., fr. inside	24	.90
129134	055H	12	3 1/2	25-75	Alum., pol. inside	24	1.10
129135	055I	14	3 5/8	60-100	Steel, fr. inside	24	.80
129136	055J	14	3 5/8	60-100	Alum., fr. inside	24	1.10
129137	055K	14	3 5/8	60-100	Alum., pol. inside	24	1.25
129138	055L	16	3 7/8	60-200	Steel, fr. inside	24	1.25
129139	055M	16	3 7/8	60-200	Alum., fr. inside	24	1.45
129140	055N	16	3 7/8	60-200	Alum., pol. inside	24	1.65

No. 36

129141	36A	3 1/2	1 7/8	.....	Frosted steel	48	.30
129142	36B	3 1/2	1 7/8	.....	Brush brass	48	.45
129143	36C	3 1/2	1 7/8	.....	Oxidized copper	48	.50

No. 60

For 2 1/4-inch Shade Holder

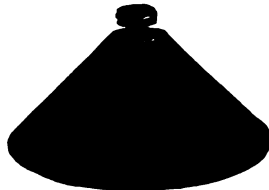
Trade No.	Mfrs. No.	Diam. In.	Finish	Std. Pkg.	Price Each
42981	60	10	Frosted aluminum	24	\$0.60
42982	60 A	10	Polished aluminum	24	.85
42983	60 B	12	Frosted aluminum	24	.80
42984	60 C	12	Polished aluminum	24	1.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL REFLECTORS



Nos. 5431 and 5608



Nos. 5440 and 5636



No. 5862



No. 5479



Nos. 5854 and 6094



Nos. 5533 and 6107



Nos. 5603 and 5604

FLAT REFLECTORS

Trade No.	Mfrs. No.	Diam. Inches	Tin Finish		Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100
			Outside	Inside			
039368	5431	8	Green	White	100	40	\$33.50
039369	5432	10	Green	White	100	56	38.50
039370	5433	12	Green	White	100	80	52.85
039371	5456	14	Green	White	30	35	70.00

Porcelain Enameled Steel

039379	5608	8	Green	White	50	30	50.00
039380	5609	10	Green	White	50	40	90.00

SHALLOW CONE REFLECTORS

	Mfrs. No.	Diam. Inches	Tin Finish		Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100
			Outside	Inside			
039381	5462	8	Green	White	100	38	33.85
039382	5463	10	Green	White	100	58	41.75
039383	5464	12	Green	White	100	80	61.00
039384	5465	14	Green	White	30	35	70.00

DEEP CONE REFLECTORS

	Mfrs. No.	Diam. Inches	Tin Finish		Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100
			Outside	Inside			
039386	5440	8	Green	White	100	58	41.25
039387	5441	10	Green	White	100	80	46.80
039388	5442	12	Green	White	100	115	68.00

Porcelain Enameled Steel

039392	5546	10	White	White	50	65	90.00
039393	5636	8	Green	White	50	35	85.00
039394	5637	10	Green	White	50	55	95.00

BOWL TYPE REFLECTORS

Baked-on Enameled Steel

66957	5866	7	Green	Frosted	30	70	115.00
66958	5867	8	Green	Frosted	30	75	135.00
66959	5868	10	Green	Frosted	30	90	200.00
66960	5869	10	Green	Frosted	30	90	210.00

Porcelain Enameled Steel

091829	5860	6	Green	White	30	65	130.00
66961	5861	7	Green	White	30	70	160.00
66962	5862	8	Green	White	30	75	185.00
66963	5863	10	Green	White	30	90	240.00
66964	5864	10	Green	White	30	90	275.00

SPECIAL REFLECTORS

Aluminum

039395	5479	7	Green	Polished	30	25	135.00
039396	5480	7	Green	Frosted	30	25	105.00

Brass

66956	5854	6½	Old brass	White	30	35	105.00
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Steel

66965	6094	6½	Green	Frosted	30	35	55.00
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PORCELAIN ENAMELED STEEL REFLECTORS

Oval

039397	5533	10	White	White	50	55	100.00
66966	6107	12	White	White	50	95	110.00

For Mazda Lamps, 40 or 60 Watts

039398	5603	10	White	White	50	90	110.00
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For Mazda Lamps, 60 or 100 Watts

039399	5604	12	White	White	50	105	120.00
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Any of the above reflectors may be had with holder for porcelain sockets at same price. If so desired place letter "P" after Mfrs. No. in ordering.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL REFLECTORS

REFLECTORS FOR HIGH EFFICIENCY MAZDA LAMPS

Nos. 5677, 5678, 6052
and 6053

CONCENTRATING TYPE

Baked-on Enamel—Green Outside, Frosted Inside

Trade No.	Mfrs. No.	Diam. In.	For Mazda Lamps, Watts	Car-ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100
057842	5677	10	25- 40	10	50	40	\$55.00
057843	5678	12	60	10	50	50	70.00

Porcelain Enameled—Green Outside, White Inside

78771	6052	10	25- 40	10	50	50	100.00
78772	6053	12	60	10	50	60	115.00



Nos. 5660 and 5661

Baked-on Enamel—Green Outside, Frosted Inside

057844	5671	10	40	10	50	50	90.00
057845	5672	12	60	10	50	60	105.00
057848	5738*	16	100	†	30	75	150.00
120307	6280*	18	150-250	†	30	85	190.00
057849	5739*	20	250-500	†	30	113	215.00

Porcelain Enameled—Green Outside, White Inside

057846	5709	10	40	10	50	50	115.00
057847	5710	12	60	10	50	80	150.00
78769	6063*	16	100	†	30	100	225.00
120308	6281*	18	150-200	†	30	125	260.00
78770	6064*	20	250-500	†	30	145	280.00

Nos. 5671, 5672, 5709
and 5710

DIFFUSIVE TYPE

Baked-on Enamel—Green Outside, Frosted Inside

057850	5673	14	60	5	50	125	130.00
057851	5674†	16	100	†	30	70	185.00
057852	5675†	18	150	†	30	90	210.00
057853	5655†	20	250	†	30	100	240.00

Porcelain Enameled—Green Outside, White Inside

Nos. 5738, 6280, 5739, 6063, 6281
and 6064

057854	5714	14	60	5	50	130	180.00
057855	5715†	16	100	†	30	75	250.00
057856	5716†	18	150	†	30	95	285.00
057857	5717†	20	250	†	30	105	330.00
120309	6322	14	60 Short Base	5	50	125	180.00

All the above reflectors, except Nos. 5738, 6280, 5739, 6063, 6281 and 6064, can be equipped for porcelain sockets at no additional price. If so desired place the letter "P" after the Mfrs. No.

*These reflectors take 4-inch Hubbell Shade Holders, Mfrs. No. 5595 or No. 6276. Prices do not include shade holder.

†These reflectors are equipped with a strain relief attachment, which prevents the weight of reflector working the socket shell apart.

‡In bulk.



Nos. 5673 and 5717

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBELL REFLECTORS

HALF REFLECTORS



Half Reflector

Trade No.	Mfrs. No.	Outside	FINISH		Carton	Std. Wt., Lbs.		Price per 100
			Outside	Inside		Pkg.	Std. Pkg.	
084284	5429	Green	Tin White		1	50	20	\$35.00
084288	5430	Green	Aluminum Polished		1	50	17	70.00
084289	5532	Old brass	Brass Frosted alum.		1	50	20	70.00
084290	5758	Polished	Frosted alum.		1	50	20	75.00
084291	5760	Polished nickel	Dull		1	50	20	80.00
084292	5761	Ox. copper	Frosted alum.		1	50	20	85.00

Special finished holder complete, 5 cents additional.



Parabola Reflector

SMALL HALF REFLECTORS

For 10 and 15-watt Lamps

Trade No.	Mfrs. No.	Outside	FINISH		Carton	Std. Wt., Lbs.		Price per 100
			Outside	Inside		Pkg.	Std. Pkg.	
89717	6151	Green	Tin White		1	50	20	35.00
89718	6152	Old brass	Brass Frosted alum.		1	50	20	70.00
89719	6153	Polished	Frosted alum.		1	50	20	75.00
89720	6154	Polished nickel	Dull satin		1	50	20	80.00

Special finished holder complete, 5 cents additional.

15-degree Angle
Parabola Reflector

PARABOLA REFLECTORS

Aluminum

Trade No.	Mfrs. No.	Diam. Inches	FINISH		Carton	Std. Wt., Lbs.		Price per 100
			Outside	Inside		Pkg.	Std. Pkg.	
084293	5460	6½	Green	Polished	1	50	35	\$115.00
084294	5461	6½	Green	Frosted	1	50	35	90.00
084295	5477	5½	Green	Polished	1	50	35	110.00
084296	5478	5½	Green	Frosted	1	50	35	80.00

Steel

084297	5564	6½	Green	Frosted	1	50	40	55.00
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Brass

084298	5611	6½	Polished	Frosted	1	50	40	105.00
084299	5571	6½	Old brass	Frosted	1	50	40	100.00
084300	5572	6½	Ox. copper	Frosted	1	50	40	125.00

Parabola reflectors with perforated top, 13 cents additional.

30-degree Angle
Parabola Reflector

ANGLE PARABOLA REFLECTORS

Steel—Green Outside, Frosted Inside

Trade No.	Mfrs. No.	Angle Degrees	Diameter Inches	Carton	Std. Wt., Lbs.		Price per 100
					Pkg.	Std. Pkg.	
084303	5695	15	6½	1	30	35	\$55.00
084304	5696	30	6½	1	30	35	55.00
084305	5697	45	6½	1	30	35	55.00

Brass—Old Brass Outside, Frosted Inside

084306	5774	15	6½	1	30	35	105.00
084307	5775	30	6½	1	30	35	105.00
084308	5776	45	6½	1	30	35	105.00

Aluminum—Green Outside, Polished Inside

89711	5777	15	6½	1	30	30	115.00
89712	5778	30	6½	1	30	30	115.00
89713	5779	45	6½	1	30	30	115.00

Aluminum—Green Outside, Frosted Inside

89714	5780	15	6½	1	30	30	90.00
89715	5781	30	6½	1	30	30	90.00
89716	5782	45	6½	1	30	30	90.00

The above reflectors can be equipped for porcelain sockets at no additional price. If so desired place the letter "P" after the number.

Reflector No. 5571 can be had in any desired special finish. Prices on application.

Aluminum reflectors cannot be furnished in a plated finish.

45-degree Angle
Parabola Reflector

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OAMCO STEEL REFLECTORS



Nos. 760-760C



Nos. 741-741B



Nos. 0766-0766E



Nos. 0737-0737C



Nos. 753-753B



Nos. 782-782B

Designed for general lighting of mills, machine shops, warehouses, garages, etc., where it is necessary to reduce the shadows to the minimum.

PORCELAIN ENAMELED STEEL REFLECTORS

SHALLOW BOWL TYPE, FOR DISTRIBUTION BELOW THE HORIZONTAL

Nos. 760-760C

Regularly furnished with a permanently attached holder; bushing tapped for $\frac{1}{2}$ -inch iron pipe, and a medium base porcelain keyless socket. Can be equipped with $\frac{3}{8}$ -inch bushing or with an insulating bushing for lamp cord without extra charge.

Trade No.	Mfrs. No.	Diam. Inches	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
41305	760	12	25-40-60	20	114	\$2.10
41306	760A	14	100	20	120	2.65
41307	760B	16	150-200	15	75	2.90
41308	760C	18	200-250	15	120	3.40

Nos. 741-741B

Have spring grip and collar holder which fits standard medium brass shell sockets.

133112	741	10	25-40	25	19	1.15
133113	741A	12	40-60	25	21	1.35
133114	741B	14	100	25	27	1.60

Nos. 0766-0766E

Made with collars for standard holder, as specified.

Trade No.	Mfrs. No.	Diam. In.	For Holder Inches	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
133096	0766	10	2 $\frac{1}{4}$	25-40	25	23	\$0.75
133097	0766A	12	2 $\frac{1}{4}$	40-60	25	25	1.08
133098	0766B	14	2 $\frac{1}{4}$	100	15	30	1.31
133099	0766C	16	3 $\frac{1}{4}$	150-200	15	39	1.76
133100	0766D	18	3 $\frac{1}{4}$	200-300	10	40	2.30
133101	0766E	20	4	400-1000	10	55	4.00

Nos. 0737-0737C

133102	0737	14	3 $\frac{1}{4}$	100	15	35	1.31
133103	0737A	16	3 $\frac{1}{4}$	150-200	15	45	1.76
133104	0737B	18	3 $\frac{1}{4}$	200-250	10	30	2.30
133105	0737C	20	3 $\frac{1}{4}$	300-500	10	40	2.60

PAINT ENAMELED STEEL REFLECTORS

Green Outside with Matte Aluminum Reflecting Surface

SHALLOW BOWL TYPE, FOR DISTRIBUTION BELOW THE HORIZONTAL

The following reflectors are covered with a superior grade of enamel. They can be cleaned with soap and water when necessary and made to look as good as new.

Nos. 753-753B

Reflector has attached a spring grip and collar holder which fits standard medium brass shell sockets.

Trade No.	Mfrs. No.	Diam. In.	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
133106	753	10	25-40	25	21	\$0.80
133107	753A	12	40-60	25	28	1.00
133108	753B	14	100	20	25	1.15

Nos. 782-782B

Made with collars for standard holder as given below.

Trade No.	Mfrs. No.	Diam. In.	For Holder Inches	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
133109	782	10	2 $\frac{1}{4}$	25-40	25	18	\$0.65
133110	782A	12	2 $\frac{1}{4}$	40-60	25	22	.80
133111	782B	14	2 $\frac{1}{4}$	100	20	25	1.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OAMCO STEEL REFLECTORS

Designed for local light distribution over machines, work benches, tables, office use, etc. The lamps are shielded from the eye.

**PORCELAIN ENAMELED STEEL REFLECTORS
DEEP BOWL TYPE, FOR EXTENSIVE DISTRIBUTION**

Nos. 761-761C

Regularly equipped with a permanent holder with bushing $\frac{1}{2}$ -inch iron pipe size, and a medium base porcelain keyless socket. If required a $\frac{3}{8}$ -inch bushing or an insulating bushing for lamp cord can be furnished without extra charge.

Trade No.	Mfrs. No.	Diam. In.	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std.	Price Each
41301	761	7	40-60	25	75	\$1.82
41302	761A	8	100	25	80	2.05
41303	761B	9	150-200	15	50	2.25
41304	761C	11	250	15	95	2.95

Nos. 758-758B

These reflectors have a spring grip and collar holder which fits standard medium brass shell sockets.

133085	758	7	40-60	30	20	1.10
133086	758A	8	60-100	20	21	1.35
133087	758B	9	100-150	20	30	1.60

Nos. 0767-0767C

Made with collars for standard holder, as given below.

Trade No.	Mfrs. No.	Diam. In.	For Holder Inches	Lamp Size Watt	Std. Pkg.	Wt., Lbs. Std.	Price Each
41311	0767	7	2 $\frac{1}{4}$	40-60	25	25	\$0.85
41312	0767A	8	2 $\frac{1}{4}$	60-100	25	27	1.10
41313	0767B	9	2 $\frac{1}{4}$	100-150	20	30	1.25
41314	0767C	11	3 $\frac{1}{4}$	200-250	15	30	2.05

DEEP CONE TYPE FOR EXTENSIVE DISTRIBUTION

Nos. 700-700A

Trade No.	Mfrs. No.	Diam. In.	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std.	Price Each
41315	700	8	25-40	40	33	\$0.70
41316	700A	10	40-60	40	45	.90

PAINT ENAMELED STEEL REFLECTORS

**DEEP BOWL TYPE, FOR EXTENSIVE DISTRIBUTION
Green Outside with Matte Aluminum Reflecting Surface**

These reflectors are covered with a superior grade of enamel. They can be cleaned with soap and water when necessary and made to look as good as new.

Nos. 754-754B

These reflectors have attached a spring grip and collar holder which fits standard medium brass shell sockets. For use over machines or where a narrow range of light is required.

41317	754	7	40-60	25	20	.75
41318	754A	8	60-100	25	18	.85
41319	754B	9	100-150	25	26	1.00

Nos. 783-783B

Made with collar for standard holder as given below.

Trade No.	Mfrs. No.	Diam. In.	For Holder Inches	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std.	Price Each
41320	783	7	2 $\frac{1}{4}$	40-60	25	20	\$0.65
133083	783A	8	2 $\frac{1}{4}$	60-100	25	18	.75
133084	783B	9	2 $\frac{1}{4}$	100-150	25	27	.90

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Nos. 761-761C



**Nos. 758-758B
754-754B**



**Nos. 0767-0767C
783-783B**



Nos. 700-700A

OAMCO STEEL REFLECTORS



Nos. 0764-0764D



Nos. 699-699A



Nos. 0739-0739B



Nos. 634-634G



Nos. 781-781A



Nos. 780-780A

Designed for use on railroad platforms, mills, machine shops, warehouses and other places where a bright illumination is required to cover a large area.

PORCELAIN ENAMELED STEEL REFLECTORS FLAT CONE TYPE FOR WIDE LIGHT DISTRIBUTION

Nos. 0764-0764D

Made with collars for standard holder, as given below.

Trade No.	Mfrs. No.	Diam. In.	For Holder Inches	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
133051	0764	10	2 1/4	25-40	30	30	\$0.71
133052	0764A	12	2 1/4	60-100	30	40	.96
133053	0764B	14	2 1/4	100	20	40	1.20
133054	0764C	16	3 1/4	150-200	15	35	1.45
133055	0764D	18	3 1/4	250-300	15	40	2.00

Nos. 699-699A

These reflectors have attached a spring grip and collar holder which fits standard medium brass shell sockets.

Trade No.	Mfrs. No.	Diam. In.	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
054644	699	8	10-25	40	35	\$0.50
054645	699A	10	40-60	40	40	.70

Nos. 0739-0739B

With nipple for 1/2-inch iron pipe.

133056	0739	10	25-40	30	40	.96
133057	0739A	15	60-100	20	40	1.50
133058	0739B	18	150-200	20	60	1.65

PAINT ENAMELED STEEL REFLECTORS SHALLOW DOME TYPE, WEATHERPROOF

Green Outside, White Inside

For street and general factory illumination. Furnished with nipple for iron pipe as specified.

Nos. 634-634G

Trade No.	Mfrs. No.	Diam. In.	Pipe Socket Bushing Nozzle In.	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
133059	634	10	3/8 3/8	25-40	20	17	\$0.60
133060	634A	10	1/2 3/8	25-40	20	17	.60
133061	634B	12	3/8 3/8	40-60	20	24	.80
133062	634C	12	1/2 3/8	40-60	20	24	.80
133063	634D	15	3/8 3/8	100	20	32	1.00
133064	634E	15	1/2 3/8	100	20	32	1.00
133065	634F	17	3/8 3/8	150-200	20	40	1.20
133066	634G	17	1/2 3/8	150-200	20	40	1.20

ANGLE TYPE

Green Outside with Matte Aluminum Reflecting Surface

These reflectors are coated with a superior grade of enamel. They can be easily cleaned with soap and water.

Nos. 781-781A

45 degree angle reflector with attached spring grip and collar holder which fits standard medium brass shell sockets. For use over machines or for window lighting.

Trade No.	Mfrs. No.	Diam. In.	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
133067	781	7	40-60	25	18	\$0.68
133068	781A	8	100	25	25	.84

Nos. 780-780A

45 degree angle reflector with collars for standard holder.

Trade No.	Mfrs. No.	Diam. In.	For Holder Inches	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
133069	780	7	2 1/4	40-60	25	15	\$0.57
133070	780A	8	2 1/4	100	25	20	.75

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OAMCO REFLECTORS



Nos. 508-508E



Nos. 659-659E



Nos. 507A-507D



Nos. 661-661C



Nos. 547A-547C



Nos. 660-660B



Nos. 584-584A



No. 514

PAINT ENAMELED TIN REFLECTORS

Green Outside with White Enameled Reflecting Surface

These reflectors are coated with a superior hard enamel that is very lasting. The reflecting qualities are efficient. The enamel can be easily cleaned with soap and water.

FLAT CONE TYPE, FOR WIDE LIGHT DISTRIBUTION

For use on railroad platforms, mills, machine shops and warehouses.

Nos. 508-508E

Made with collars for standard holder.

Trade No.	Mfrs. No.	Diam. In.	For Holder Inches	Lamp Size Watts	Std. Pkg.	Wt. Lbs.	Price Each
054606	508	8	2 1/4	20-25	100	27	\$0.13
054607	508A	10	2 1/4	25-40	100	45	.16
054608	508B	12	2 1/4	40-60	100	68	.33
054609	508C	14	2 1/4	100	60	50	.39
054610	508D	16	3 1/4	150-200	60	66	.48
054611	508E	18	3 1/4	250	60	88	.60

Nos. 659-659E

Reflector has attached a spring grip and collar holder which fits standard medium brass shell sockets.

054638	659	8	...	20-25	100	26	.25
054639	659A	10	...	25-40	100	36	.30
054640	659B	12	...	40-60	100	68	.44
054641	659C	14	...	100	60	53	.59
054642	659D	16	...	150-200	60	70	.79
054643	659E	18	...	250	60	86	.98

SHALLOW CONE TYPE, FOR DISTRIBUTION BELOW THE HORIZONTAL

Nos. 507A-507D

Made with collars for standard holder.

054615	507A	8	2 1/4	20-25	100	30	.19
054616	507B	10	2 1/4	25-40	100	45	.22
054617	507C	12	2 1/4	40-60	100	70	.38
054618	507D	14	3 1/4	100	60	53	.45

Nos. 661-661C

Reflector has attached a spring grip and collar holder which fits standard medium brass shell sockets.

102390	661	8	..	20-25	100	26	.28
102391	661A	10	..	25-40	100	40	.34
102392	661B	12	..	40-60	100	50	.49
102393	661C	14	..	100	60	51	.73

DEEP CONE TYPE FOR EXTENSIVE DISTRIBUTION

For local light distribution over machines, work benches, tables, office use, etc.

Nos. 547A-547C

Made with collars for standard holders.

054619	547A	8	2 1/4	25	100	27	.16
054620	547B	10	2 1/4	25-40	100	45	.21
054621	547C	12	2 1/4	40-60	100	60	.40

Nos. 660-660B

Reflector has attached a spring grip and collar holder which fits standard medium brass shell sockets.

102395	660	8	...	25	100	32	.30
102396	660A	10	...	25-40	100	45	.33
102397	660B	12	...	40-60	100	67	.57

HALF REFLECTORS

No. 584 is made of steel finished green outside with matte aluminum reflecting surface. Made with attached spring grip and collar holder which fits standard medium brass shell sockets.

No. 584A is similar to No. 584, made of brass, brush brass finish outside, matte aluminum reflecting surface.

No. 514 is made of steel, finished green outside, white inside. With collar for regular standard 2 1/4-inch holder.

Trade No.	Mfrs. No.	Length Inches	Lamp Size Watts	Std. Pkg.	Wt. Lbs.	Price Each
054631	584	6	25-40	50	13	\$0.30
29899	584A	6	25-40	50	13	.48
054630	514	..	25-40	100	21	.17

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OAMCO REFLECTORS



No. 541-541D

BILLIARD TABLE TYPE

For 2¼-inch Shade Holder

Paint enameled steel, green outside. Size, 10x10 inches.

Trade No.	Mfrs. No.	Reflecting Surface	Lamp Size Watts	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
054634	541	Corrugated mirror lined	40-60	10	25	\$2.50
054637	541C	White enameled	40-60	10	12	1.50
29897	541D	Matte aluminum	40-60	10	12	1.50

With Collar for 2¼-inch Shade Holder

Paint enameled steel, green outside. Diameter 14 inches.

95992	500BB	Corrugated mirror glass	60-100	10	..	2.50
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No. 500BB

ORCHESTRA TYPE

Made of steel, gold bronze outside, silver aluminum bronze reflecting side. Equipped with an adjustable bracket that can be easily attached to the frame of the music stand. The reflector can be adjusted to reflect the light at the proper angle. Designed for use with ¾-inch pull socket and 15 to 25-watt lamp. Length, 10 inches; diameter, 3 inches.

Trade No.	Mfrs. No.	Description	Car- ton	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
95980	779	Reflector and bracket	1	10	17	\$2.40
95981	779A	Reflector, bracket and pull socket...	1	10	18	3.40
95982	779B	Reflector, bracket, pull socket and 8-ft. re-enforced cord...	1	10	20	4.20
95983	779C	Reflector, bracket, pull socket, 8-ft. re-enforced lamp cord and attachment plug	1	10	21	4.60



Nos. 779-779C

PULPIT TYPE

Made of steel, gold bronze outside, silver aluminum bronze reflecting side. Furnished with adjustable bracket to fasten with screws to the reading desk. For use with a ¾-inch pull socket and 15 to 25-watt lamp. Length, 10 inches; diameter, 3 inches.

95984	778	Reflector and bracket	1	10	17	2.40
95985	778A	Reflector, bracket and pull socket...	1	10	18	3.40
95986	778B	Reflector, bracket, pull socket and 8-ft. lamp cord...	1	10	20	4.00
95987	778C	Reflector, bracket, pull socket, 8-ft. twisted lamp cord and attachment plug	1	10	21	4.40



Nos. 778-778C

PULPIT OR MUSIC STAND TYPE

Brush brass, bronze finish, reflecting surface matte aluminum. With keyless socket. Made for tubular lamp.

Trade No.	Mfrs. No.	No. of Lights	Length Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
95990	647	1	13	10	10	\$2.50
95991	647A	2	16½	10	11	3.50

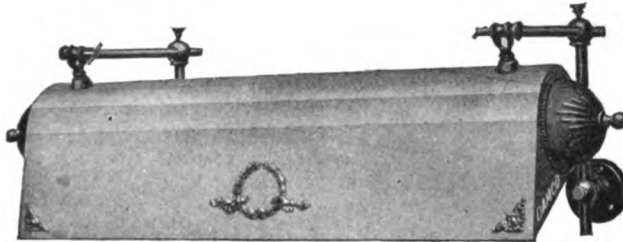


Nos. 647-647A

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OAMCO REFLECTORS

PICTURE REFLECTORS, TYPE 543



Type 543

Reflectors have lining of matte aluminum and equipped with adjustable bracket to fasten to the back of picture frame or wall. Can be adjusted to reflect the light at any desired angle. Wired, with keyless sockets.

Steel, Brass Bronze Finish

Trade No.	Mfrs. No.	Length Inches	Std. Pkg.	No. of Lights	Price Each	Trade No.	Mfrs. No.	Length Inches	Std. Pkg.	No. of Lights	Price Each
054584	543	7	15	1	\$6.00	054588	543D	30	15	3	\$14.00
054585	543A	12	15	1	8.00	054590	543E	36	10	3	16.00
054586	543B	18	15	2	10.00	054591	543F	42	10	4	18.00
054587	543C	24	15	2	12.00	054592	543G	48	10	4	20.00

Brass, Satin Gold Finish

054596	543J	7	15	1	7.20	054600	543N	30	15	3	16.80
054597	543K	12	15	1	9.60	054601	543O	36	10	3	19.20
054598	543L	18	15	2	12.00	054602	543P	42	10	4	21.60
054599	543M	24	15	2	14.40	054603	543Q	48	10	4	24.00



Type 777

PICTURE REFLECTORS, TYPE 777

Made of steel, gold bronze finish on the exterior and silver aluminum bronze on the reflecting side.

Equipped with an adjustable bracket that can be attached to the back of picture frame or wall. The reflector can be adjusted so as to reflect the light in any desired direction. Designed for use with a $\frac{3}{8}$ -inch socket and 15 to 25-watt lamp. Length, 10 inches; diameter, 3 inches.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt. Lbs.	Price Each
133123	777	Reflector only.....	10	17	\$3.00
133124	777A	With keyless socket...	10	18	3.50
133125	777B	With keyless socket and 8-foot lamp cord....	10	20	4.10
133126	777C	With keyless socket, 8-foot cotton covered lamp cord and plug..	10	21	4.65

BANK SCREEN REFLECTORS

Designed for use over the working desks in cages. The reflected light is bright, without glare or shadows, and materially reduces eye strain.

They are lined with corrugated mirror glass and are equipped with a latch door of diffusing glass. Prices include wiring and keyless sockets spaced one foot apart.

SINGLE REFLECTOR TO LIGHT ONE DESK IN CAGE

Made of Steel. Finished Dead Black

Trade No.	Mfrs. No.	Face Inches	Std. Qty. Feet	Price per Foot
133127	835	5	20	\$5.20

Made of Copper. Finished to Match Bank Fixtures

133128	835A	5	20	7.50
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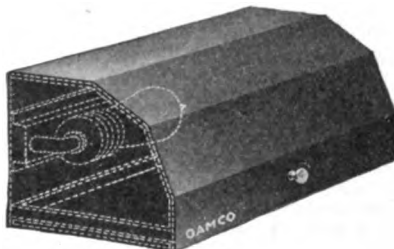
DOUBLE REFLECTOR TO LIGHT ONE DESK ON EACH SIDE OF CAGE

Made of Steel. Finished Dead Black

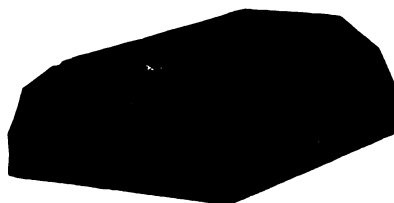
133129	836	8	20	6.00
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Made of Copper. Finished to Match Bank Fixtures

133130	836A	8	20	8.50
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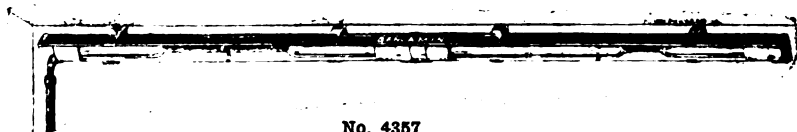
Type 835



Type 836

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

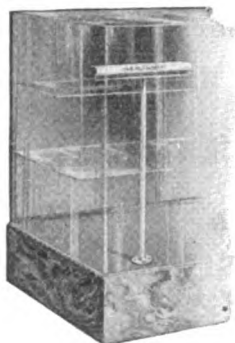
BENJAMIN SHOW CASE REFLECTORS



No. 4357



Sockets and Connections



No. 4282



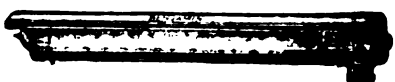
No. 362



No. 277



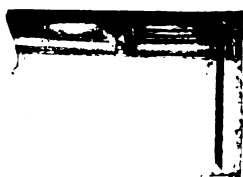
No. 282—14-inch



No. 31—13-inch



No. 275—26-inch



No. 4290



No. 460



No. 470



No. 180



No. 194

SECTIONAL SHOW CASE REFLECTORS

Standard sections are 22 inches, and consist of reflector, (17/8 inches wide) for tubular lamps, two separable sockets wired in place, and supporting strap. Sections over 22-inch, up to 36-inch, list at advance of \$1.80. Two screws join the sections mechanically and electrically. Stem finish is nickel. Reflector is finished black enamel outside, aluminized inside.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Weight Lbs.	Price Each
120113	4357	Standard section, wired	10	16	\$3.50
120114	4358	Opal linings, per section	10	9	1.50
120115	4359	Mirror linings, per section	10	9	1.60
120116	4360	Stem, flange and bushing	10	10	1.40

COLUMN LIGHTS

Column light No. 4282 has twin socket, adjustable reflector, 26-inch brass stem and flange. Additional length stems list at 40 cents per foot. Standard finish is polished nickel.

120117	4282	2-light, not wired	10	6	2.80
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HALF SHADES

For use in window, wall, show-case and cove lighting. Pear-shaped shades Nos. 362 to 365 are aluminized inside, hinged, and take 40-watt regular lamp. Tubular shades Nos. 277 and 278 are hinged and steel type is aluminized inside. Rigid type shades Nos. 31 to 285 take tubular lamps and are "not slotted" or "slotted," as desired, for upright or bracket stem support, respectively. Prices are for reflectors only.

120118	362	Brush brass	50	10	.45
120119	364	Brass, nickel-plated	50	10	.60
120120	365	Steel, green enamel	50	8	.30
120121	277	All nickel-plated	50	11	.60
120122	278	Steel, green enamel	50	9	.35
120123	272	Not slotted	50	25	1.00
120124	282	Slotted	50	25	1.00
120125	31	Not slotted	50	18	1.10
120126	275	Not slotted	50	45	2.40
120127	285	Slotted	50	42	2.40

CONTINUOUS WALL CASE REFLECTORS

Standard reflector (36-inch) has two twin sockets and supporting clips wired to connecting block at one end. Reflectors up to any length can be furnished. When over 10 feet they will be shipped in sections. Standard finish is black enameled outside, aluminized inside.

120128	4290	36-in. reflector, wired	20 ft.	13	7.00
120129	4292	Per ft. extra, less sockets	20 ft.	23	1.60
120130	4294	Extra sockets attached, each	10	3	.80

FITTINGS FOR DISPLAY FIXTURES

T Clamps for Brass Tubing

Trade No.	Mfrs. No.	Finish	Size Inches	Std. Pkg.	Wt. Lbs.	Price Each
120131	460	Brush brass	5/8	50	10	\$0.35
120132	461	Nickel-plated	5/8	50	10	.40
Elbows for Brass Tubing						
120133	470	Brush brass	5/8	50	7	.30
120134	471	Nickel-plated	5/8	50	7	.35
Nipples						
120135	180	Brush brass	1/8x3/4	50	1	.12
120136	181	Nickel-plated	1/8x3/4	50	1	.15
Flanges						
120137	194	Brush brass	1/8x1 1/4	50	1	.08
120138	196	Nickel-plated	1/8x1 1/4	50	1	.10

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OAMCO SHOW CASE REFLECTORS

TYPE No. 683

Single Light, for Candelabra Lamps



No. 683

Made of brass, nickel-plated and polished. Consisting of a one-piece stamped reflector, an adjustable show case frame bracket and a standard candelabra brass shell keyless socket.

Trade No.	Mfrs. No.	Size, INCHES Length Width	Description	Std. Pkg.	Wt., Lbs.	Price Each
80539	683	7 2 1/8	Reflector, bracket and socket.....	20	25	\$1.75

TYPE No. 694

Single Light, for 10 C. P. Carbon or 25-watt Mazda Short Tubular Lamps



No. 694B

Made of brass, nickel-plated and polished. Complete, includes reflector No. 577, a horizontal swing bracket and a standard brass shell keyless socket.

Trade No.	Mfrs. No.	Size, INCHES Length Width	Description	Std. Pkg.	Wt., Lbs.	Price Each
050901	577	6 3/4 2 1/8	Reflector only.....	20	8	\$0.75
050906	694	8 ...	Bracket only.....	20	10	1.50
050907	694 A	....	Reflector and bracket.....	20	18	2.25
050908	694 B	16 2 1/8	Reflector, bracket and socket.....	20	35	2.75

TYPE No. 775

Single Light, for 25 or 40-watt Mazda 12-inch Tubular Show Case Lamps



No. 775

Made of steel, matte aluminum finish. Metal straps are furnished to fasten the reflector to the frame of the show case. Equipped with brass shell nickel-plated keyless socket. Length, 15 in.; face, 2 1/2 in.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Wt., Lbs.	Price Each
80541	775	Reflector, bracket and socket.....	20	30	\$2.50

TYPE No. 774

For 16 C. P. Carbon or 25-watt Mazda Short or Long Tubular Lamps



Type No. 774

Made of steel, exterior finished Bauer-Barff, dead black. Metal straps are furnished to attach the reflector to the frame of the show case. Reflectors are wired and equipped with nickel-plated keyless sockets

spaced 12 inches apart for short lamps and 20 inches for long lamps. Face of reflector, 2 1/2 inches. Made in lengths up to and including 10 feet.

For 4-inch Short Lamp

Trade No.	Mfrs. No.	Description	Std. Qty. Feet	Price per Ft.
80542	774	Matte aluminum reflecting surface.....	25	\$2.30
80543	774 A	Corrugated mirror reflecting surface.....	25	2.50

For 12-inch Long Lamp

Trade No.	Mfrs. No.	Description	Std. Qty. Feet	Price per Ft.
80544	774 B	Matte aluminum reflecting surface.....	25	2.10
80545	774 C	Corrugated mirror reflecting surface.....	25	2.30

TYPE No. 521

Wall Case Reflector for 25 or 40-watt Mazda Regular Lamps



Type No. 521

Made of steel, dead black finish exterior. Metal straps are furnished to suspend the reflector. Equipped with wiring and nickel-plated keyless sockets spaced 12 inches apart. Made in lengths up to and including 10 feet. Face, 3 1/2 and 4 1/2 inches.

Trade No.	Mfrs. No.	Description	Face Inches	Std. Qty. Feet	Price per Ft.
80546	521 A	Corrugated mirror, glass lining.....	3 1/2	25	\$2.40
80547	521 B	Corrugated mirror, glass lining.....	4 1/2	25	2.50
80548	521 C	Matte aluminum lining.....	3 1/2	25	2.15
80549	521 D	Matte aluminum lining.....	4 1/2	25	2.25

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OAMCO SHOW CASE REFLECTORS

TYPE No. 577

Single Light, for 16 C. P. Carbon or 25-watt Mazda Short Tubular Lamps



No. 577C

Made of brass, nickel-plated and polished. The complete device consists of a one-piece stamped reflector with an Oamco Patent Holder Attachment, an adjustable show case frame bracket and a standard brass shell keyless socket.

Trade No.	Mfrs. No.	Size, INCHES		Description	Std. Wt., Lbs.		Price
		Length	Width		Pkg.	Std. Pkg.	Each
060901	577	6 $\frac{3}{4}$	2 $\frac{1}{4}$	Reflector only	20	8	\$0.75
060902	577 A	1 $\frac{3}{4}$	1 $\frac{1}{2}$	Bracket only	20	2	.50
060903	577 B	...	2 $\frac{1}{8}$	Reflector and bracket	20	10	1.25
060904	577 C	10	2 $\frac{1}{8}$	Reflector, bracket and socket	20	20	1.75

TYPE No. 773

Two Light, for 16 C. P. Carbon or 25-watt Mazda Short Tubular Lamps



No. 773C

Made of brass, nickel-plated and polished. The complete fixture is made up of a one-piece stamped reflector with spring clip socket holder, an adjustable show case frame bracket and a standard brass shell twin keyless socket.

Trade No.	Mfrs. No.	Size, INCHES		Description	Std. Wt., Lbs.		Price
		Length	Width		Pkg.	Std. Pkg.	Each
80520	773	14	2 $\frac{1}{2}$	Reflector only	25	25	\$1.15
80521	773 A	1 $\frac{1}{2}$	1 $\frac{1}{2}$	Bracket only	25	2	.50
80522	773 B	14	2 $\frac{1}{2}$	Reflector and bracket	25	27	1.65
80523	773 C	14	2 $\frac{1}{2}$	Reflector, bracket and socket	25	35	2.50

TYPE No. 578

Two Light, for 16 C. P. Carbon or 25-watt Mazda Short Tubular Lamps



No. 578

Made of brass, nickel-plated and polished. Consists of two one-piece stamped reflectors with an Oamco Patent Holder Attachment, an adjustable show case frame bracket and a standard brass shell twin keyless socket.

Trade No.	Mfrs. No.	Size, INCHES		Description	Std. Wt., Lbs.		Price
		Length	Width		Pkg.	Std. Pkg.	Each
060905	578	15 $\frac{1}{2}$	2 $\frac{1}{8}$	Complete, two reflectors, bracket and twin socket	10	10	\$2.85
80524	578 A	1 $\frac{1}{2}$	1 $\frac{1}{2}$	Bracket only	25	2	.50
060901	577	6 $\frac{3}{4}$	2 $\frac{1}{8}$	Reflector only	20	8	.75

TYPE No. 776

Single Light, for 16 C. P. Carbon or 25-watt Mazda Short Tubular Lamps



No. 776B

Made of steel, matte aluminum finish.

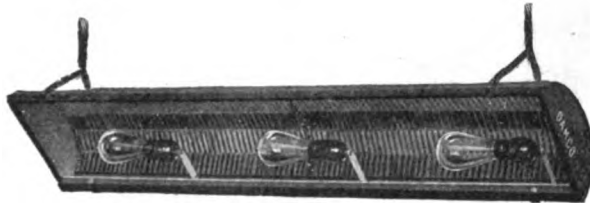
Made up of a one-piece stamped reflector, an adjustable show case frame bracket and a standard brass shell keyless socket.

Trade No.	Mfrs. No.	Size, INCHES		Description	Std. Wt., Lbs.		Price
		Length	Width		Pkg.	Std. Pkg.	Each
80526	776	11	2 $\frac{1}{2}$	Reflector and bracket only	20	8	\$0.85
80527	776 A	11	2 $\frac{1}{2}$	Reflector, bracket and nickel-plated keyless socket	20	30	1.35
80528	776 B	11	2 $\frac{1}{2}$	Reflector, bracket and brass socket ..	20	30	1.25

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OAMCO SHOW WINDOW REFLECTORS

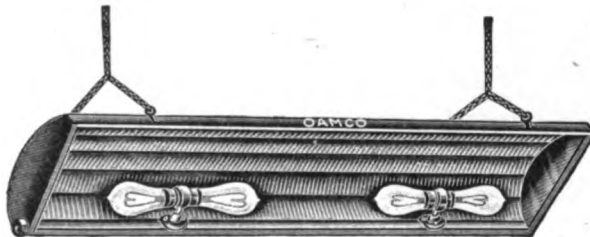
TYPE 518



Made up in lengths up to and including ten feet. Semi-elliptical in form with section lining of mirror or white enamel. The wires are run in a channel along the edge of the reflector and are concealed. The reflector is suspended by chains from the ceiling and as near the window as conditions will permit. The incandescent lamps are spaced about 12 inches apart. Prices include wiring and sockets spaced 12 inches apart. Face of reflector, 7 inches.

Trade No.	Mfrs. No.	Description	Std. Qty. Feet	Price per Ft.
133141	518A	Corrugated mirror.....	25	\$2.30
133142	518C	White enamel.....	25	1.75

TYPE 655

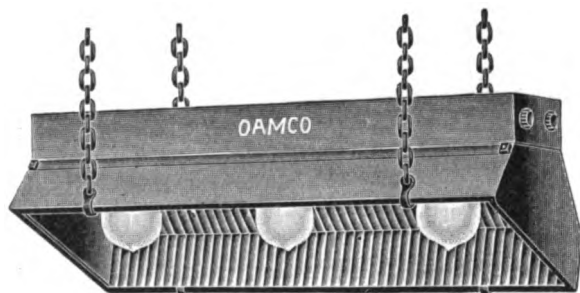


This reflector is made of heavy sheet metal, semi-elliptical in form, with sectional lining of corrugated mirror glass. The outside is finished flat green. The wires are run through a metal conduit to the lamp sockets.

The reflector can be made in lengths up to 10 feet. Face of reflector, 7 inches

054580	655A	With wiring and sockets, one light per foot.....	25	2.80
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TYPE 678



This reflector is made of heavy sheet metal. The reflecting surface is of corrugated mirror or white enamel. Outside finish is flat green. The wires are run in a channel on top of the reflector and are concealed. The reflector is made to be suspended from the ceiling by chains.

Face of reflector, 8 inches. Furnished complete with sockets, and wired. Lights are spaced 12 inches apart.

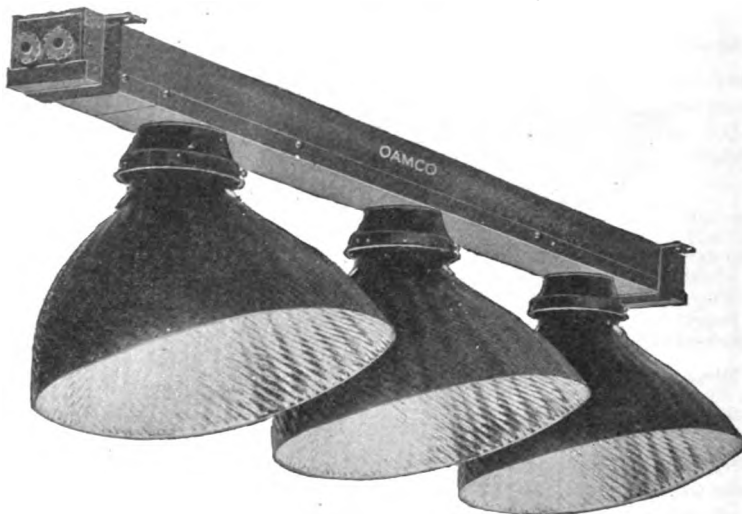
054581	678A	White enamel.....	25	2.20
054583	678C	Corrugated mirror.....	25	2.70

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OAMCO REFLECTORS

CHANNEL AND X-RAY SHOW WINDOW REFLECTORS

For Use with 100-watt Mazda C Lamps



This device is simple in construction and designed for appearance as well as stability. It is small, easily wired, and placed in position with the smallest amount of labor. The channel is made of No. 20 gauge steel, $2\frac{3}{4} \times 1\frac{1}{8}$ inches. It is provided with a detachable cover to which the receptacle and reflector are attached. The finish is black japan.

Two different forms of reflectors may be used. The Jupiter, a more concentrating reflector than the Jove, is used for the brilliant illumination of show windows, whose height equals about twice their depth.

The Jove is for use in windows of average proportions, those whose height is one to one and a half times their depth.

Reflectors are constructed to withstand the high temperature of the 100-watt gas filled Type C lamp.

Complete—Channel, with Jove or Jupiter Reflectors, Hangers and Wired with Receptacles

Trade No.	Mfrs. No.	Lamp Spacings	Price per Foot
133151	837	12-inch centers.....	\$5.45
133152	837A	15-inch centers.....	4.60
133153	837B	18-inch centers.....	3.95
133154	837C	24-inch centers.....	3.20
Channel, with Jove or Jupiter Reflectors, Hangers and Receptacles, but not Wired			
133155	838	12-inch centers.....	5.25
133156	838A	15-inch centers.....	4.30
133157	838B	18-inch centers.....	3.72
133158	838C	24-inch centers.....	3.00

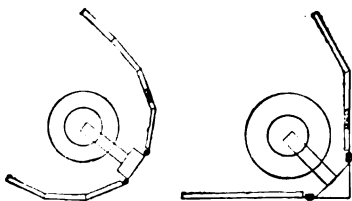
NOTE.—Always specify the style of reflector required when ordering the above.

Channel, Hangers, and Wired with Receptacles

133159	839	12-inch centers.....	1.45
133160	839A	15-inch centers.....	1.30
133161	839B	18-inch centers.....	1.25
133162	839C	24-inch centers.....	1.20

Channel, Hangers, and Receptacles, but not Wired

133163	840	12-inch centers.....	1.25
133164	840A	15-inch centers.....	1.10
133165	840B	18-inch centers.....	1.05
133166	840C	24-inch centers.....	1.00



COVE LIGHTING REFLECTORS FOR INDIRECT LIGHTING

Reflectors for this class of work will be built to specification, or designs will be furnished upon receipt of details of spaces to be lighted. The illustrations shown are merely rough ideas. Almost every space requires different treatment.

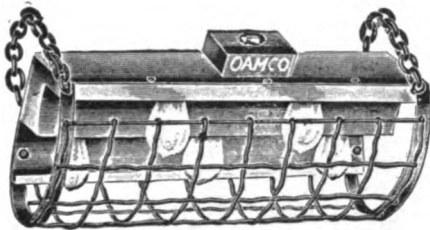
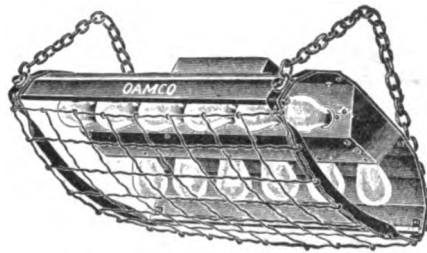
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OAMCO STAGE REFLECTORS

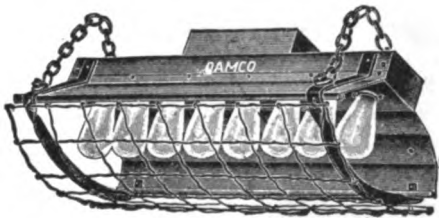
NATIONAL ELECTRICAL CODE STANDARD

BORDER REFLECTORS

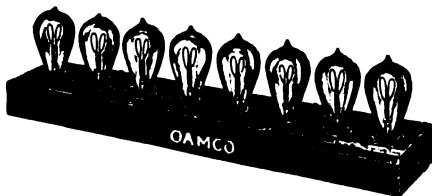
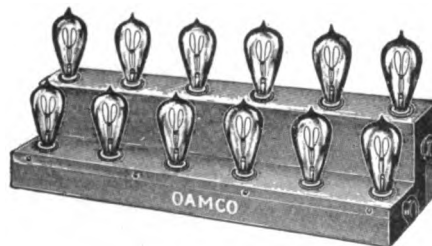
Green Outside, Reflecting Surface White

**No. 685A****No. 591A**

Trade No.	Mfrs. No.	No. 685 Description	Std Qty. Feet	Price per Ft.
050736	685	12-inch face, without wire guard	25	\$2.50
050737	685A	12-inch face, with wire guard	25	3.00
050738	...	Wiring and sockets, per light, extra .....	..	.65
No. 591				
050739	591	16-inch face, without wire guard	25	2.75
050740	591A	16-inch face, with wire guard	25	3.15
050741	....	Wiring and sockets, per light, extra .....	..	.65

**No. 587A****No. 608A**

		No. 587 Description	Std Qty. Feet	Price per Ft.
050742	587	13-inch face, without wire guard	25	2.00
050743	587A	13-inch face, with wire guard	25	2.60
050744	....	Wiring and sockets, per light, extra .....	..	.65
No. 608				
050745	608	9-inch face, without wire guard	25	2.00
050746	608A	9-inch face, with wire guard	25	2.50
050747	....	Wiring and sockets, per light, extra .....	..	.65

STRIP OR FOOTLIGHTS**No. 592****No. 701**

		No. 592 Description	Std Qty. Feet	Price per Ft.
050748	592	4x2 inches, straight	25	1.00
050749	592B	4x2 inches, curved	25	1.75
050750	....	Wiring and sockets, per light, extra .....	..	.65
No. 701				
050751	701	Double row footlight	25	2.00
050752	....	Wiring and sockets, per light, extra	25	.65

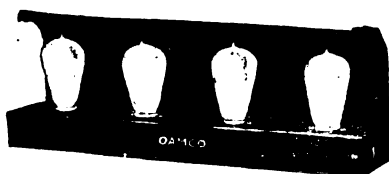
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OAMCO STAGE REFLECTORS AND PROSCENIUM STRIPS

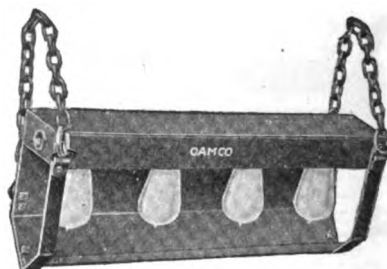
NATIONAL ELECTRICAL CODE STANDARD

STAGE REFLECTORS

Green Outside, Reflecting Surface White



No. 833



No. 834

Designed for use in schools, small theatres and motion picture houses where a small, neat portable footlight and border reflector, with one row of lights, is required.

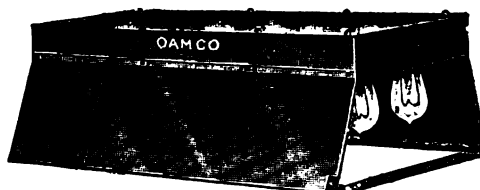
Footlight Reflectors

Trade No.	Mfrs. No.	Description	Std. Qty. Feet	Price per Ft.
133178	833	Reflector only	25	2.00
.....	....	Wiring and sockets, per light, extra .....	...	.65
Border Reflectors				
133179	834	Reflector only	25	2.00
.....	....	Wiring and sockets, per light, extra .....	...	.65

PROSCENIUM STRIPS

Green Outside, Reflecting Surface White

TYPE 673



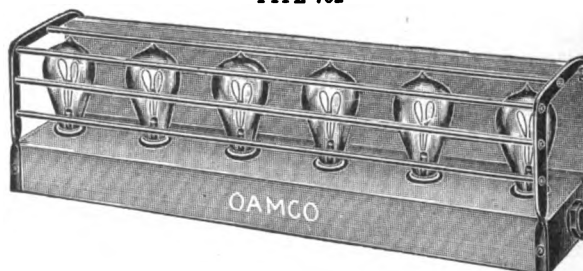
For Double Rows of Lamps

133180	673	10-inch face, without wire guard	25	2.00
133181	673A	10-inch face, with wire guard	25	2.30
.....	....	Wiring and sockets, per light, extra .....	...	.65

For Single Row of Lamps

133182	673B	8-inch face, without wire guard	25	1.80
133183	673C	8-inch face, with wire guard	25	2.10
.....	....	Wiring and sockets, per light, extra .....	...	.65

TYPE 702



133184	702	With outlet bushing in channel	25	2.00
.....	....	Wiring and sockets, per light, extra .....	...	.65

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

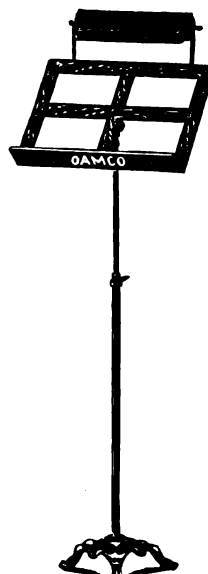
OAMCO STAGE REFLECTORS



No. 681



No. 672



No. 682

BUNCH LIGHTS

Type 681

The reflector box is made of heavy sheet metal and is provided with a groove for color slides. Attached to the reflector box there is a device which permits of the light being projected at will in various vertical directions, and these parts in turn are connected to a telescopic adjustable stem and heavy iron base, thus giving a wide range of adjustment. The reflector is white enamel. Furnished complete with lamp receptacles. *

Trade No.	Mfrs. No.	No. of Lights	Std. Pkg.	Price Each
050777	681	8	5	\$24.00
050778	681A	10	5	25.00
050779	681B	12	5	26.00

Type 672

The reflector is made of heavy metal. On the back of the reflector there is a device which permits of the light being projected at will in various vertical directions. The reflector is connected to a telescopic adjustable stem and heavy iron base, thus giving a wide range of adjustment. The reflector is white enamel. Furnished complete with lamp receptacles.

050780	672	6	5	30.00
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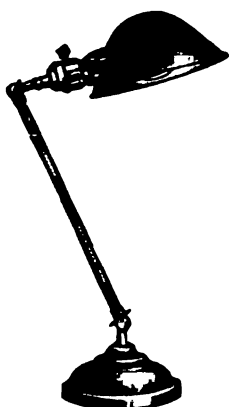
MUSIC STANDS AND REFLECTORS

The reflector is attached to the wood frame of a music holder and can be adjusted to any desired position. The holder can be adjusted to any desired angle and raised or lowered to any required height. The stand is of cast iron. Complete, with sockets and wiring.

050781	682	2	5	9.50
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

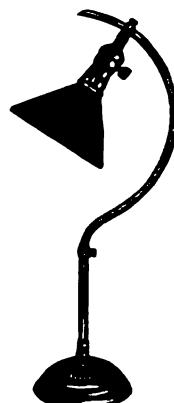
FARIES ADJUSTABLE PORTABLES



No. 1012



No. 1792



No. 22

No. 1012

No. 1012 has large tubing, adjustable to any position. For piano, office desk, library table or any place where an adjustable portable lamp is used.

Mfrs. No.	Height Inches	Extension Inches	Std. Pkg.	Brush Brass		Oxidized Copper	
				Trade No.	Price Each	Trade No.	Price Each
1012	18	24	12	021721	\$2.00	089554	\$2.25

Wired with 9 feet of re-enforced silk cord, socket and plug, add \$1.50.

No. 1792

No. 1792 has large tubing adjustable to any position.

1792	20	46	6	021722	3.50	089555	4.00
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Wired with 9 feet of re-enforced silk cord, socket and plug, add \$2.00.

No. 22

No. 22 has adjustable clip so that light can be thrown in any direction.

22	20 to 26	..	12	021725	1.45	089558	1.65
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Wired with 9 feet of re-enforced silk cord, socket and plug, add \$1.50.



No. 63



No. 2233

No. 63

63	24	13	12	43021	2.50	43023	2.80
Ring on top, extra.....							.10

Wired with 9 feet of re-enforced silk cord, socket and plug, add \$1.50.

No. 2233

2233	24	26	12	43022	3.50	43024	3.90
Ring on top, extra.....							.10

Wired with 9 feet of re-enforced silk cord, socket and plug, add \$2.00.

Prices do not include shades, lamps, shade holders, sockets or wiring.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARIES FLEXIBLE PORTABLES AND DESK LAMPS



No. 153



No. 1532



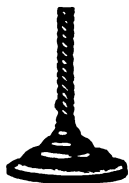
No. 540



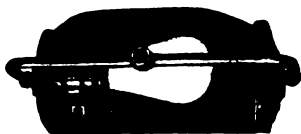
No. 1947



No. 154



No. 155



No. 826

No. 153

Trade No.	Finish	Height Inches	Std. Pkg.	Price, Ea. without Shade
078184	Brush brass	26	12	\$2.25
078185	Oxidized copper	26	12	2.45

Wired with 9 feet of re-enforced silk cord, socket and plug, add \$1.50. No. 153 extends any direction 16 inches.

No. 1532

41431	Brush brass	26	6	3.35
41432	Oxidized copper	26	6	3.50

Wired with 9 feet of re-enforced silk cord, socket and plug, add \$2.00. No. 1532 extends any direction 32 inches.

No. 540

Flexible arm for factory lighting. $\frac{3}{8}$ -inch iron male thread each end.

42921	Brush brass	12	..	.90
42922	Brush brass	15	..	1.10
42923	Brush brass	18	..	1.35
.....	Longer lengths, per foot.....			.90

No. 1947

Flexible portable, 9-inch flexible tube; extends 20 inches over all.

42924	Brush brass	..	6	2.25
42925	Oxidized copper	..	6	2.45

Wired with 9 feet of re-enforced cord, socket and plug, add \$1.50.

No. 154

Flexible arm; $\frac{1}{8}$ -inch iron male thread each end.

078186	Brush brass	9	..	.75
078187	Brush brass	12	..	.90
078188	Brush brass	15	..	1.10
078189	Brush brass	18	..	1.35
42926	Brush brass	24	..	1.80
.....	Longer lengths, per foot.....			.90

No. 155

42932	Brush brass	8	12	1.20
42933	Oxidized copper	8	12	1.40

No. 826

Portable metal hood, frosted inside, can be attached to any portable or roll-top desk bracket. Tapped $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{1}{4}$ inch. $\frac{3}{8}$ -inch furnished, unless otherwise ordered.

42927	Brush brass	..	6	2.50
42928	Oxidized copper	..	6	2.75

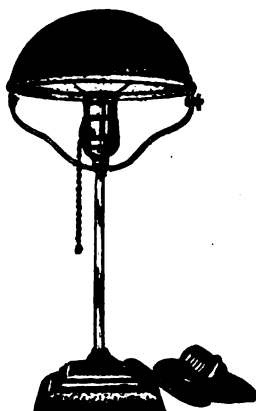
No. 543

Same as No. 826, but for two lights.

42929	Brush brass	..	6	8.00
42930	Oxidized copper	..	6	8.75

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARIES ADJUSTABLE PORTABLES AND DESK LAMPS



No. 525



No. 3174



No. 1547

No. 525

No. 525 has a 7-inch brass shade, frosted inside, brushed brass or oxidized copper outside. Furnished wired with 9 feet of re-enforced silk cord, pull socket and plug.

Trade No.	Finish	Height Inches	Std. Pkg.	Price Each
43006	Brushed brass.....	15	6	\$5.00
43007	Oxidized copper	15	6	5.50

No. 3174

No. 3174 has the same shade as No. 525. Furnished wired with 9 feet of re-enforced silk cord, pull socket and plug.

43008	Brushed brass.....	15	12	5.00
43009	Oxidized copper	15	12	5.50

No. 1547—1-LIGHT

Nos. 1547 and 1548 are furnished wired with 8 feet of re-enforced silk cord, socket, plug and 10-inch green dome shade.

078178	Brushed brass.....	..	6	6.50
078182	Oxidized copper .....	..	6	7.00

No. 1548—2-LIGHT

078179	Brushed brass.....	..	6	7.50
078183	Oxidized copper .....	..	6	8.00

No. 152

Trade No.	Finish	Std. Pkg.	Price Each
43001	Brushed brass.....	6	\$1.50
43002	Oxidized copper	6	1.70

Wired with 9 feet of re-enforced silk cord, socket and plug, add \$1.50.

No. 982

Linen shade holder. Fits portable No. 152 or top of incandescent lamp.

Trade No.	Finish	Std. Pkg.	Price per Doz.
43003	Dipped brass .....	..	\$3.00

No. 981

Linen shade, white lined, silk trimmed. Diameter, 7 inches; depth, 4 inches. Furnished in dark green, blue, red or pink.

43004	Any color, shade only .....	..	5.00
43005	Any color, shade and holder.....	..	8.00

No. 97

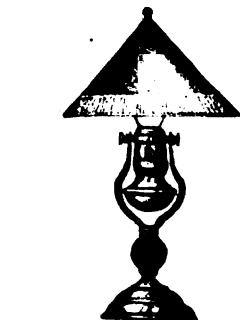
A No. 27 shade should be used with this desk clamp.

Trade No.	Finish	Std. Pkg.	Price Each
060386	Brushed brass.....	12	\$0.30
060387	Oxidized copper	12	.40

No. 72

Fits any desk up to 15 inches. Made larger to order. Should be used with a No. 27 frosted shade, as illustrated.

43010	Brushed brass.....	12	1.25
43011	Oxidized copper	12	1.45



No. 152



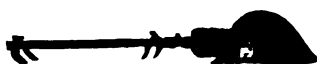
No. 982



No. 981



No. 97

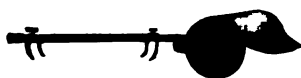


No. 72

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARIES ADJUSTABLE PORTABLES AND DESK LAMPS

WITH GREEN GLASS AND METAL HOODS



No. 885

No. 885

Fits top of any desk up to 15 inches. Metal hood, frosted inside.

Trade No.	Finish	Std. Pkg.	Price Each
060384	Brush brass	6	\$5.00
060385	Oxidized copper	6	5.50



No. 1842

No. 1842

Fits top of any desk up to 15 inches. Plain glass hood, white inside, green outside.

060380	Brush brass	6	6.00
060381	Oxidized copper	6	6.50

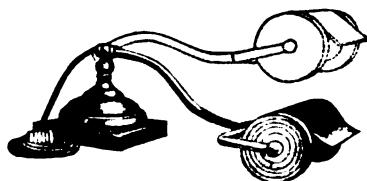


No. 827

No. 827

Portable or desk bracket with horizontal swing. Slate base and metal hood, frosted inside.

060376	Brush brass	12	6.00
060377	Oxidized copper	12	6.50



No. 3067

No. 3067

Portable or desk bracket with vertical adjustment and horizontal swing. Slate base and metal hood, frosted inside.

060368	Brush brass	12	6.30
060369	Oxidized copper	12	6.80



No. 1857

No. 1857

Portable or desk bracket with horizontal swing. Slate base and plain glass hood, white inside, green outside.

060372	Brush brass	6	7.00
060373	Oxidized copper	6	7.50



No. 3068

No. 3068

Portable or desk brackets with vertical adjustment and horizontal swing. Slate base and plain glass hood, white inside, green outside.

060364	Brush brass	6	7.30
060365	Oxidized copper	6	7.80

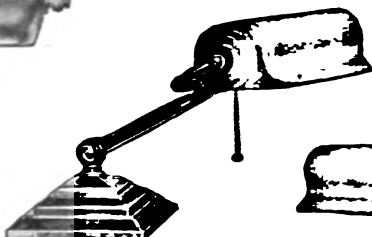
The above prices include 9 feet of re-enforced silk cord, socket and plug.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARIES ADJUSTABLE PORTABLES



No. 3248



No. 3249



No. 3243

WITH ADJUSTABLE GREEN GLASS HOODS

These shades are a beautiful green outside with a white opal reflecting surface inside.

No. 3243

Brush Brass

Swing portable with vertical adjustment. Extends 12 inches; spread, 8½ inches; base, 7½ inches.

Trade No.	Description	Std. Pkg.	Price Each
42746	Complete, with key socket	6	\$7.00
42747	Complete, with pull socket	6	7.35

No. 3240

The same as No. 3243, but without the perpendicular adjustment.

42755	Complete, with key socket	6	6.50
42756	Complete, with pull socket	6	6.85

No. 3249

Brush Brass

Swing portable with vertical adjustment. Extends 12 inches; spread, 8½ inches; base, 6 inches.

42748	Complete, with key socket	6	8.00
42749	Complete, with pull socket	6	8.35

No. 3248

Brush Brass

Height, 15 inches; spread, 8½ inches; base, 7½ inches.

42750	Complete, with pull socket	6	8.00
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No. 3245

Brush Brass

Made of sheet brass with cast base. Height, 16½ inches; spread, 8½ inches; base, 6x6 inches.

42751	Complete, with pull sockets	6	14.50
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No. 3244

The same as No. 3245, but with 1 light.

42752	Complete, with pull socket	6	10.00
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No. 3247

Brush Brass and Black Relief

Height, 15½ inches; spread, 8½ inches; base, 8x8 inches.

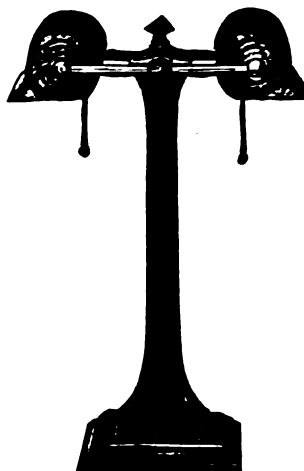
42753	Complete, with pull sockets	6	24.00
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No. 3246

The same as No. 3247, but with 1 light.

42754	Complete, with pull socket	6	17.50
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These portables are wired with 9 feet of re-enforced silk cord, key or pull sockets, shades and plug. Can also be furnished in statuary bronze with green relief finish at same price. Brush brass and brush brass and black relief always furnished, unless otherwise specified in order.



No. 3245



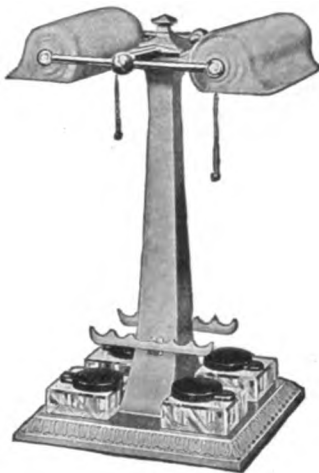
No. 3247

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

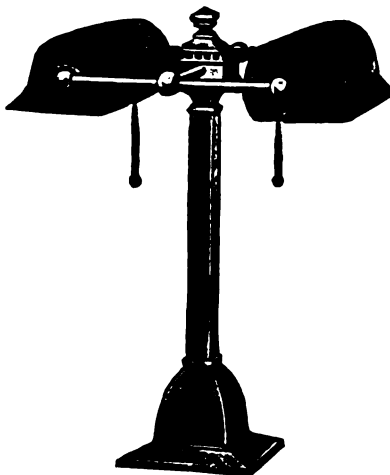
FARIES ADJUSTABLE PORTABLES



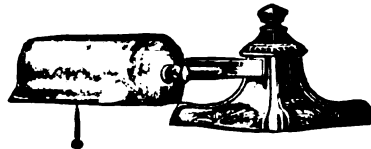
No. 3255



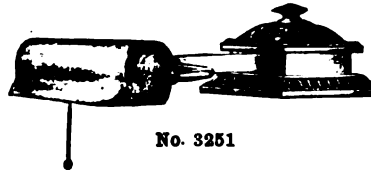
No. 3256



No. 3254



No. 3250



No. 3251

WITH ADJUSTABLE GREEN GLASS SHADES

These shades are a beautiful green outside and a pure white opal reflecting surface inside.

No. 3255

Height, 16½ inches to center of shade; shade, 8½ inches; base, 7½x9½ inches.

Furnished with two inkstands with composition tops which open to right or left, and pen racks.

Trade No.	Description	Std. Price Pkg. Each
101701	Brush brass with black relief.....	6 \$15.00
101702	Statuary bronze with green relief..	6 15.00

No. 3256

Height, 16½ inches to center of shade; spread, 8½ inches; shade, 8½ inches; base, 10x9½ inches.

Furnished with four inkstands with composition tops which open to right or left, and pen racks.

101703	Brush brass with green relief.....	6. 20.00
101704	Statuary bronze with green relief..	6 20.00

No. 3250

Extends 12 inches from center of base to center of shade; spread, 8½ inches; base, 8x8 inches.

101705	Brush brass with black relief.....	6 14.00
101706	Statuary bronze with green relief..	6 14.00

No. 3251

Extends 12 inches from center of base to center of shade; spread, 8½ inches; base, 6x6 inches.

101707	Roman gold.....	6 10.80
101708	Brush brass with black relief.....	6 9.00
101709	Statuary bronze with green relief..	6 9.00

All the above portables are wired with 9 feet of re-enforced silk cord, pull chain socket and plug, and are furnished complete with shades. Base is heavily weighted, with felt covered bottom.

No. 3254

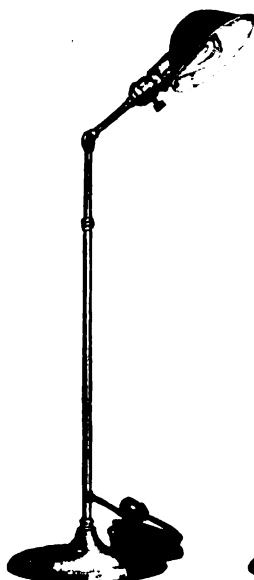
Height, 18 inches to center of shade; spread, 8½ inches; shades, 8½ inches; base, 5½x5½ inches.

This is a stand lamp and must be screwed down. Wired with fixture wire and has pull chain sockets.

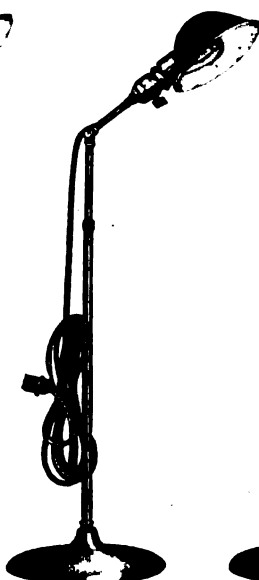
101710	Brush brass.....	6 14.00
101711	Statuary bronze.....	6 14.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

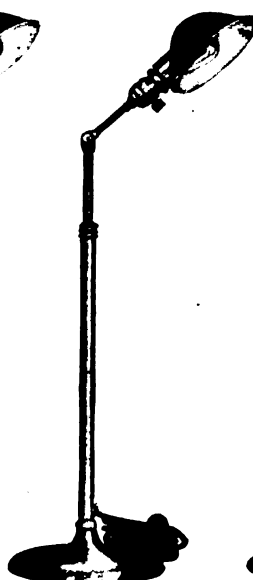
FLOOR PORTABLES



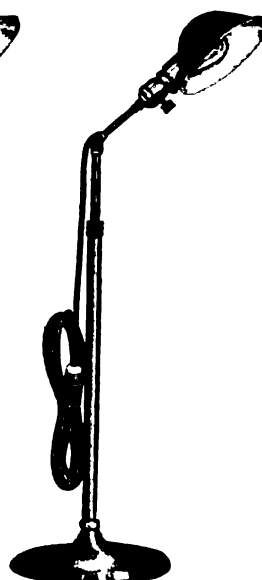
No. 3080



No. 03080



No. 3139



No. 03139

VARIES ADJUSTABLE FLOOR PORTABLES

These portables are adjustable from 2½ to 5 feet in height. They have a hinged joint so light can be adjusted to any angle. Arm is 14 inches over all. Have heavy iron base 9 inches in diameter, with spun brass cover, and felt on bottom of base.

Wired with 12 feet of silk cord, socket, plug and 7-inch shade to match.

No. 50
Wired at
Bottom

Trade No.	Mfrs. No.	Small Tube Finish	Std. Pkg.	Price Each
42726	3080	Brush brass	12	\$7.50
42727	3080	Oxidized copper	12	8.00
42728	03080	Brush brass	12	7.50
42729	03080	Oxidized copper	12	8.00
Large Tube				
42730	3139	Brush brass	12	9.00
42731	3139	Oxidized copper	12	9.75
42732	03139	Brush brass	12	9.00
42733	03139	Oxidized copper	12	9.75

PACIFIC EASY CHAIR LAMPS

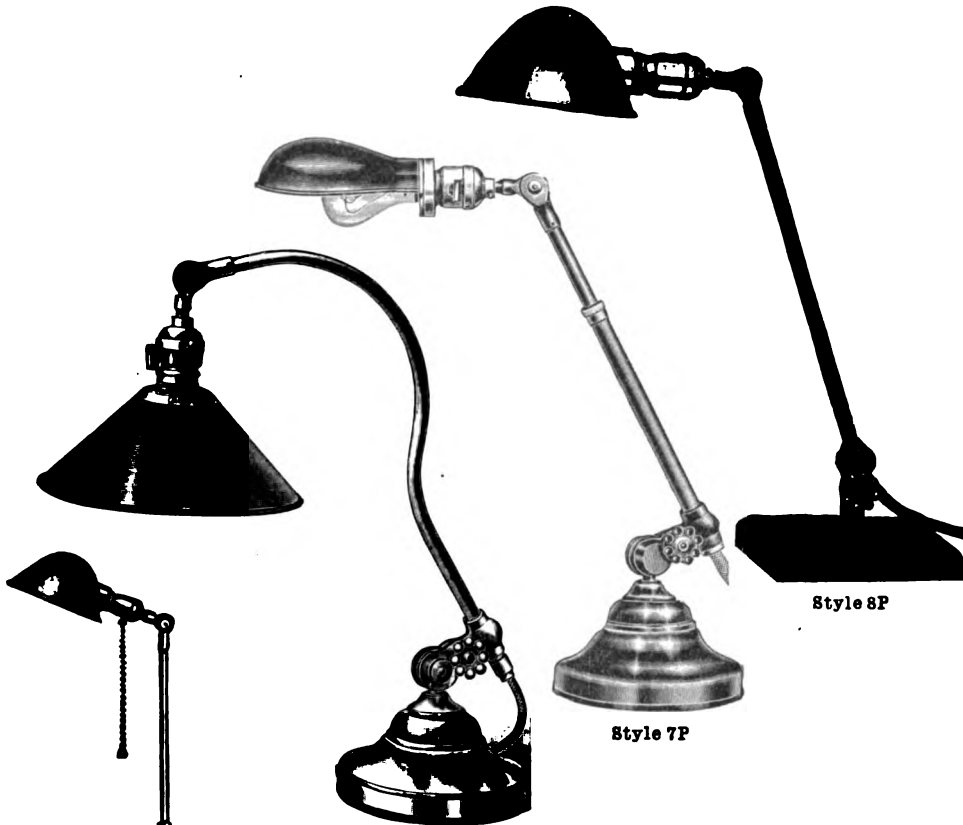
The easy chair lamp consists of an ornamental iron base, a collapsible standard 2½ feet high, which may be extended to a height of 5 feet, and an aluminum parabola half shade.

With Shade, but without Socket, Cord or Plug				
Trade No.	Mfrs. No.	Finish	Std. Pkg.	Price Each
054355	50	Brush brass only	..	\$5.00
Wired with 10 Feet of Green Silk Cord, Socket and Plug				
054359	50	Brush brass only	..	6.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WHITE ADJUSTABLE FIXTURES

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Style 6P

DESK PORTABLES

Style 6P

Trade No.	Price Each
046801	\$3.50
Standard finishes: Oxidized copper, old brass or polished brass, or nickel.	

Style 7P

Trade No.	HEIGHT, INCHES	Price Each
	Closed With Arm Extended	
046802	15 24	\$3.75
Standard finishes: Old brass, polished brass, oxidized copper or nickel.		

Style 8P

Trade No.	Price Each
046803	\$2.25
Standard finishes: Old brass and oxidized copper.	

FLOOR PORTABLES

Wires freely through upright, without interfering with the telescoping adjustment. Height adjustable from 3 to 6 feet.

Trade No.	Style 10P Description	Price Each
41294	Without wiring or socket	\$5.00
41295	Wired complete	8.00

Style 9P

Same as Style 10P, but with skeleton base.

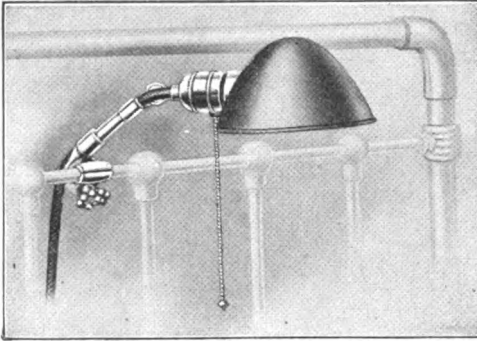
046804	Without wiring or socket	4.00
41296	Wired complete	7.00

Standard finishes: Old brass and oxidized copper.

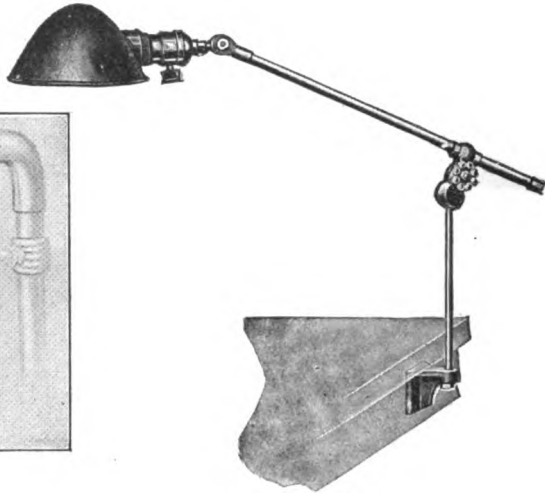
Prices do not include sockets, shades, lamps or wiring except where specified.

Style 10P

WHITE ADJUSTABLE FIXTURES



Bed Fixture—Type BF



Style 5M

TYPE BF

The White Adjustable Bedstead Reading Lamps enable one to read in bed with comfort and without injuring the eyes.

Style 1BF

Trade No.	Description	Price Each
041867	Fixture only; made in four sizes for round bars from $\frac{5}{8}$ to $2\frac{1}{4}$ -inch diameter.....	\$1.80

Style 2BF

41321	Fixture only, for $\frac{1}{2}$ to 2-inch round or square bars....	3.00
Standard finishes: Old brass or polished brass.		

In ordering, specify size of bar wanted.

TYPE M

These are designed especially to attach to stenographers' desks, or flat-top desks or tables.

Styles 5M and 6M are attached by wood screws. Styles 7M and 8M are attached by an adjustable clamp and are easily removable.

Styles 6M and 8M have telescoping lamp arms.

Trade No.	Style No.	Price Each
043997	5M	\$3.00
41322	6M	3.50
41323	7M	3.35
41324	8M	3.85

Standard finishes: Old brass, oxidized copper, polished brass or nickel.

STYLE 1P

041868	Fixture only.....	4.50
Standard finishes: Old brass, polished brass, oxidized copper or nickel.		

STYLE 5P

041869	Fixture only.....	3.25
Standard finishes: Old brass, polished brass, oxidized copper or nickel.		

Prices do not include sockets, shades, lamps or wiring.



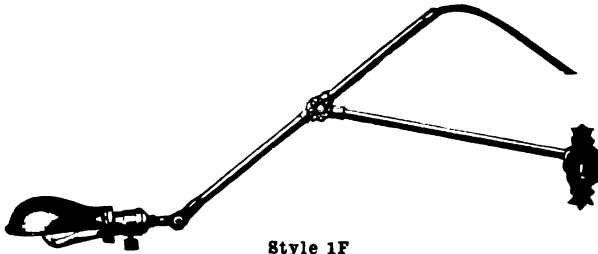
Style 1P



Style 5P

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WHITE ADJUSTABLE FIXTURES

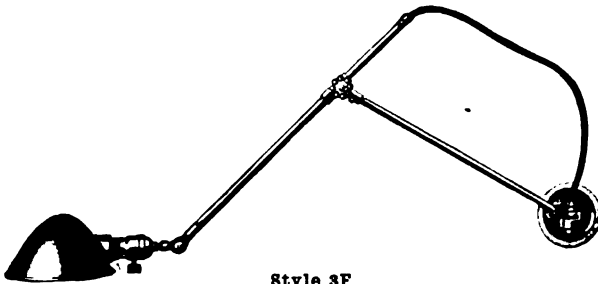


Style 1F

STYLE 1F

Trade No.	Extension Inches	Price Each
041796	36	\$4.50

Standard finishes: Old brass, oxidized copper, polished brass or nickel.



Style 3F

STYLE 3F

041797	36	5.00
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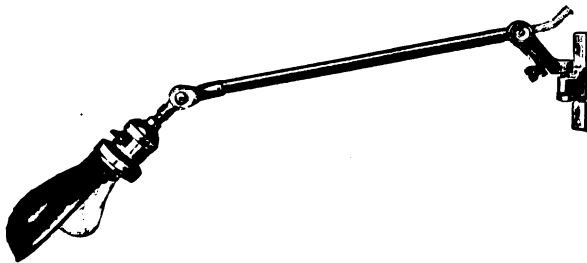
Standard finishes: Old brass, oxidized copper, polished brass or nickel.

STYLE 7F

Universal wall joint and adjustable lamp joint. Non-telescoping.

Trade No.	Length Inches	Price Each
041798	16	\$3.25

Standard finishes: Old brass, polished brass, oxidized copper or nickel.



Style 7F

STYLE 8F

Telescoping and universally adjustable.

Trade No.	LENGTH, IN.		Price Each
	Closed	Extended	
041799	15	24	\$3.75

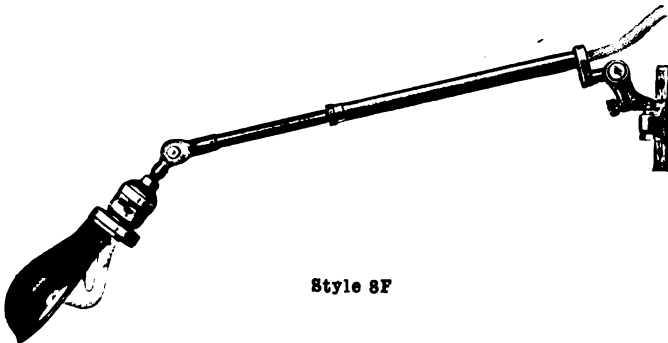
Standard finishes: Old brass, oxidized copper, polished brass or nickel.

STYLE 9F

Similar to Style 8F, only longer.

052199	20	34	4.25
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Standard finishes: Old brass, oxidized copper, polished brass or nickel.



Style 8F

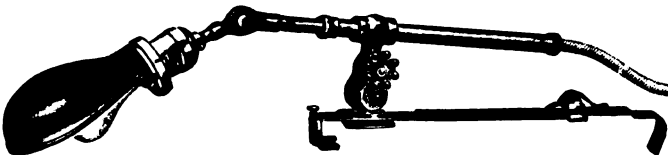
STYLE 4M

Trade No.	Length Inches	Price Each
041800	2 to 20	\$3.75

Telescoping and universally adjustable roll-top desk fixture. Enables the lamp to be placed instantly in any position, on, in or above the desk. The telescoping arm permits adjustment to any length, from 2 to 20 inches.

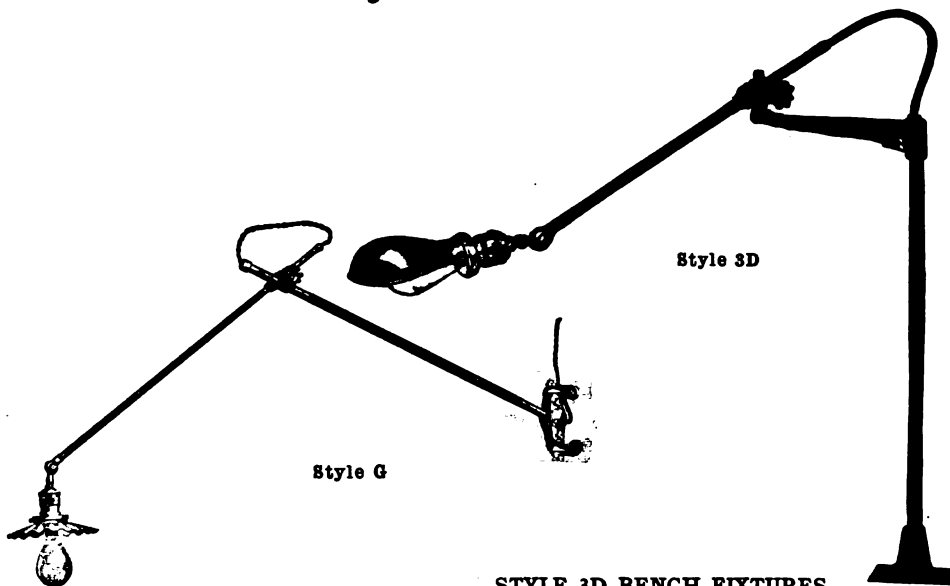
Standard finishes: Old brass, polished brass, oxidized copper or nickel.

Prices do not include sockets, shades, lamps or wiring.



Style 4M

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

"WHITE" ADJUSTABLE SHOP FIXTURES

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STYLE 3D BENCH FIXTURES

Trade No.	Upright	SIZE, INCHES Crank Arm	Lamp Arm	Price Each
041838	22	8	18	\$2.80

STYLE 1D BENCH FIXTURES

041839	22	7	18	2.30
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Style 1D is similar to Style 3D, but wires through lamp arm only.

STYLE 1DD 2-LIGHT BENCH FIXTURES

041840	28	7	18	4.50
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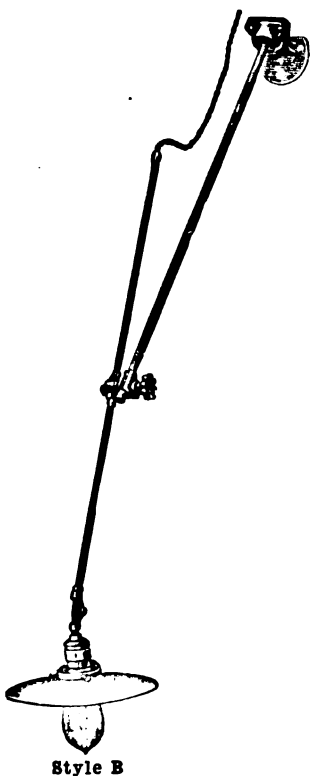
Style 1DD is similar to Style 3D, but, having two opposite lamp arms, wires through upright.

STYLE G WALL FIXTURES

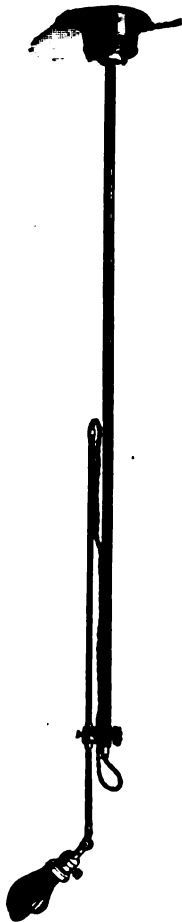
Trade No.	SIZE, FEET		Price Each
	Main Arm	Lamp Arm	
041841	1½	1½	\$2.50
041842	2	2	2.65
041843	2½	2	2.75
041844	2½	2½	2.85
041845	3	3	3.00
041846	3½	3	3.10
041847	4	3	3.20
041848	4½	3	3.30
041849	5	3	3.40
041850	5½	3	3.50
041851	6	3	3.60
041852	6½	3	3.70
041853	7	3	4.00
041854	7½	3	4.10
041855	8	3	4.20
041856	8½	3	4.30
041857	9	3½	4.70
041858	9½	3½	4.80
041859	10	3½	4.90
041860	10½	3½	5.00

STYLE B WALL FIXTURES

041861	1½	1½	1.70
041862	2	1½	1.80
041863	2½	2	1.95
041864	3	2½	2.10
041865	3½	2½	2.20
041866	4	2½	2.30

**Style B**

Prices are for black finish only, and do not include sockets, shades, lamps or wiring.

"WHITE" ADJUSTABLE CEILING FIXTURES

Style AW

STYLE AW

Trade No.	SIZE, FEET		Price Each
	Main Arm	Lamp Arm	
041801	3	2	\$2.45
041802	3½	2	2.55
041803	4	2½	2.70
041804	4½	2½	2.80
041805	5	2½	2.90
041806	5½	2½	3.00
041807	6	2½	3.10
041808	6½	2½	3.20
041809	7	2½	3.30
041810	7½	2½	3.40

The above wires through both main arm and lamp arm.

STYLE A**No. 1A Regular Weight**

041811	3	2	2.00
041812	3½	2	2.10
041813	4	2½	2.25
041814	4½	2½	2.35
041815	5	2½	2.45
041816	5½	2½	2.55
041817	6	2½	2.65
041818	6½	2½	2.75
041819	7	2½	2.85
041820	7½	2½	2.95

No. XA Heavy Weight

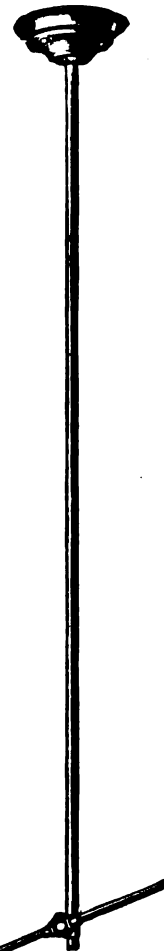
041821	8	3	3.30
041822	8½	3	3.40
041823	9	3	3.50
041824	9½	3	3.60
041825	10	3	3.70
041826	10½	3	3.80

No. XXA Extra Heavy Weight

041827	11	3½	4.10
041828	11½	3½	4.20
041829	12	3½	4.30
041830	12½	3½	4.40
041831	13	3½	4.50
041832	13½	3½	4.60
041833	14	3½	4.70
041834	14½	3½	4.80
041835	15	3½	4.90
041836	15½	3½	5.00
041837	16	3½	5.10

The above wires through lamp arm only.

Prices are for black finish only, and do not include sockets, shades, lamps or wiring. Can be furnished in any standard plated finish.



Style A

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WHITE ADJUSTABLE FIXTURES

For Stitching Tables, Assembling Tables, Clothing Factories, Etc.

These fixtures afford such complete adjustment that the lamps can be placed in every conceivable position with the rays of light directed exactly as wanted, and shades affording perfect protection to the eyes. This system accomplishes the greatest possible results in service and efficiency.

STYLE Nos. 1DC AND 1DDC



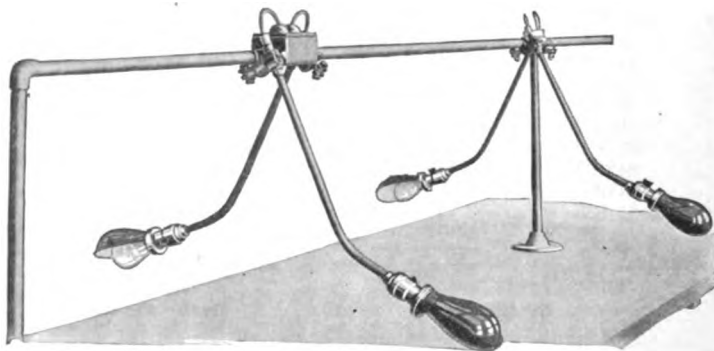
No. 1DDC—Two-light

Showing DC Arms Attached to Pipe or Conduit Frame

Nos. 1DC and 1DDC arms are attachable to standard conduit of $\frac{1}{2}$ and $\frac{3}{4}$ -inch size. Total reach from conduit attachment to socket joint is 26 inches when fixture is extended in a straight line. Factory black finish.

Trade No.	Mfrs. No.	Description	Price Each
130351	1DC	One-light fixture only, without shade, socket or wiring.....	\$2.30
130352	1DDC	Two-light fixture only, without shades, sockets or wiring	4.35

STYLE No. 1S



Showing No. 1S Arms Mounted on Conduit Frame

No. 1S arms are adjustable up and down, and to either side; they also swivel and slide at the attachment joint. Length of arm, including socket, 20 inches. Factory black finish.

130353	1S	Arm, without socket or wiring	1.00
130354	1S	Arm fitted with key socket only	1.35
130355	1S	Arm wired complete with key socket, metal half shade, cord and separable plug	2.00

Always specify whether for attachment to $\frac{1}{2}$ or $\frac{3}{4}$ -inch pipe. Straight arms will be furnished at the same prices, if so ordered. Quotations on special finishes and sizes on request.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS REFLECTORS

FOR ROUNDHOUSE AND INDUSTRIAL PLANT LIGHTING

TYPES RM AND RS

Crouse-Hinds Reflectors meet lighting requirements in roundhouses, steel mills, prison corridors, etc., and, in fact, wherever a stationary, strong and gas and moisture-proof illuminating unit is desired. The two general designs are known as reflectors Type RM and Type RS, respectively. When mounted in a roundhouse or other building where corroding vapors circulate, they offer full protection against the damage to which exposed lights and wiring systems in such locations are subjected.

Type RM reflector is made in two sizes—one to take any Mazda lamp from 25 to 100 watts, and the other to take any 150-watt Mazda lamp. This type of reflector is designed to be fastened to a flat surface and projects its light at a right angle to the plane of such surface.

Type RS reflector is intended to be supported from conduit, and sheds its light downward. Type RS is listed in two sizes, but the only difference between the two sizes is in the bracket to which the lamp receptacle is fastened. One size takes any Mazda lamp from 25 to 100 watts, and the other size takes any Mazda lamp from 150 to 250 watts.

One lighting system for roundhouses that has satisfactorily met every requirement involves the illumination of each aisle by three Type RM reflectors. Two of these reflectors are mounted on the front wall, about 8 feet from the floor, and at such an angle that the light rays cross and are directed to the working parts of engines in immediately adjacent stalls. Thus, ample illumination is secured at the desired points, and an engineer bringing his engine into the roundhouse is not met by an objectionable glare. The third reflector for each aisle is located on the rear wall and gives satisfactory illumination between stalls.

Another popular form of roundhouse lighting calls for the use of Type RS reflectors. These are mounted on gooseneck brackets, usually fastened to the pillars between stalls. Perhaps the best system, however, is one which includes both types of reflectors.

One railway company solved a turntable yard illumination problem by installing Type RM reflectors between doors, on a 40-stall roundhouse. Here ten reflectors of the semaphore lens type are mounted around the circle. Their light strikes the tracks at the edge of the turntable and engineers can see at a glance whether the turntable is properly set.

Considerable saving in current, without loss of adequate illumination, is possible by having an individual switch for each reflector. These switches are situated to the best advantage when mounted on condulets, in the conduit system, below the reflectors and within easy reach.

Among the many purposes to which one or another of these types of reflectors can be put and places where they can be mounted, to give the required illumination in steel mills, are on larry, scale and bin-filling cars; also:

To light the runway where skip cars dump into the hopper at the top of blast furnaces, the reflector being mounted for this purpose on the bleeder stack or on structural iron work near the hopper.

To give light to operators attaching peel at charging boxes. Here the reflector meets all needs when located at the front end of floor chargers.

To illuminate gauges and the approach tables in rolling mills. The reflector for this purpose may be mounted at the operator's cage or on structural iron work adjacent to the rolls.

To light crane yards, where no overhead lamps can be hung. In this instance the reflector should be on the crane cage.

Complete drawings of an approved roundhouse lighting system that employs both types of reflectors, will be forwarded on request.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS REFLECTORS

FOR ROUNDHOUSE AND INDUSTRIAL PLANT LIGHTING

TYPE RM REFLECTORS

Case of reflector is cast iron, black enameled. It has $\frac{1}{2}$ -inch threaded hubs at top and bottom to connect with conduit system, and four lugs on the back for fastening screws. A pipe plug is furnished to close the unused hub.

Door frame is cast iron, black enameled. It is carefully gasketed to exclude gas, moisture and dust from the interior of the reflector.

The purchaser has the choice of polished aluminum or white enameled steel interior reflector, also of plain and Noglare (yellow) semaphore lens in door. Reflectors are also made with doors to take plain glass. Double thick clear glass or Noglare glass will be furnished as required.

Door catch is arranged to take padlock if desired.

WITH PLAIN SEMAPHORE LENS

25-100 Watts

Trade No.	Mfrs. No.	Style of Interior Reflector	DIMENSIONS, INCHES				Ship. Wt. Lbs.	Price Each
			Total Height	Total Depth	Diam. of Refl.	Diam. of Lens		
67072	26005	Polished alum.	13 $\frac{1}{2}$	6 $\frac{1}{2}$	9 $\frac{3}{4}$	8 $\frac{3}{8}$	35	\$13.00
67075	26055	White enam.	13 $\frac{1}{2}$	6 $\frac{1}{2}$	9 $\frac{3}{4}$	8 $\frac{3}{8}$	35	13.00

150 Watts

67077	26021	Polished alum.	16	8	12	10	50	22.00
67079	26071	White enam.	16	8	12	10	50	22.00

WITH NOGLARE SEMAPHORE LENS

25-100 Watts

111922	26087	Polished alum.	13 $\frac{1}{2}$	6 $\frac{1}{2}$	9 $\frac{3}{4}$	8 $\frac{3}{8}$	35	16.00
111923	26097	White enam.	13 $\frac{1}{2}$	6 $\frac{1}{2}$	9 $\frac{3}{4}$	8 $\frac{3}{8}$	35	16.00

150 Watts

111924	26092	Polished alum.	16	8	12	10	50	26.00
111925	26102	White enam.	16	8	12	10	50	26.00

WITH PLAIN GLASS

25-100 Watts

111926	26001	Polished alum.	13 $\frac{1}{2}$	4 $\frac{3}{4}$	9 $\frac{3}{4}$	10	35	9.50
67073	26051	White enam.	13 $\frac{1}{2}$	4 $\frac{3}{4}$	9 $\frac{3}{4}$	10	35	9.50

150 Watts

67076	26017	Polished alum.	16	6 $\frac{1}{4}$	12	12	45	13.00
67078	26067	White enam.	16	6 $\frac{1}{4}$	12	12	45	13.00

WITH NOGLARE GLASS

25-100 Watts

111927	26085	Polished alum.	13 $\frac{1}{2}$	4 $\frac{3}{4}$	9 $\frac{3}{4}$	10	35	14.50
111928	26095	White enam.	13 $\frac{1}{2}$	4 $\frac{3}{4}$	9 $\frac{3}{4}$	10	35	14.50

150 Watts

111929	26090	Polished alum.	16	6 $\frac{1}{4}$	12	12	45	20.25
111930	26100	White enam.	16	6 $\frac{1}{4}$	12	12	45	20.25

WITH SAFETY FIRST GLASS

25-100 Watts

111931	26105	Polished alum.	13 $\frac{1}{2}$	4 $\frac{3}{4}$	9 $\frac{3}{4}$	10	35	13.00
111932	26107	White enam.	13 $\frac{1}{2}$	4 $\frac{3}{4}$	9 $\frac{3}{4}$	10	35	13.00

150 Watts

111933	26106	Polished alum.	16	6 $\frac{1}{4}$	12	12	45	17.00
111934	26108	White enam.	16	6 $\frac{1}{4}$	12	12	45	17.00



Type RM Reflector
with Plain or Noglare
Semaphore Lens



Type RM Reflector
with Plain or Noglare
Glass



Type RM Reflector
with Safety First Glass

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS REFLECTORS

FOR ROUNDHOUSE AND INDUSTRIAL PLANT LIGHTING

PARTS FOR TYPE RM REFLECTORS

25-100-watt Size

Trade No.	Mfrs. No.	Description	Price Each
67100	H L-5301	Case complete, less reflector and door	\$5.50
67101	H L-5302	Case, casting only	5.00
67103	H L-5304	Door complete, with clear semaphore lens	7.50
111944	H L-5355	Door complete, with "Noglare" semaphore lens	10.50
67102	H L-5303	Door complete, with double thick plain glass	4.00
111945	H L-5354	Door complete, with "Noglare" glass	9.00
111946	H L-5356	Door complete, with "Safety First" glass	7.50
67105	H L-5306	Door for clear and "Noglare" semaphore lens, less lens	4.10
67104	H L-5305	Door for plain, "Noglare" and "Safety First" glass, less glass	3.50
67106	H L- 813	Glass holder ring for semaphore lens	.55
67107	H L- 805	Reflector, polished aluminum	4.00
67108	H L- 806	Reflector, white enameled steel	4.00
67111	H L- 693	Clear semaphore lens for door No. H L-5304	3.40
111947	H L-5358	"Noglare" semaphore lens for door No. H L-5355	6.40
111948	H L-5369	Double thick plain glass for door No. H L-5303	.50
111949	H L-5357	"Noglare" glass for door No. H L-5354	5.50
111950	H L-5360	"Safety First" glass for door No. H L-5356 (two pieces of glass, one clear, one red)	4.00
111951	H L-5651	Rubber packing for lens for door No. H L-5306	.35
111952	H L-5359	Rubber packing for glass for door No. H L-5305	.35

150-watt Size

67112	H L-5313	Case complete, less reflector and door	8.00
67113	H L-5314	Case, casting only	7.50
67115	H L-5316	Door complete, with semaphore lens	13.00
111953	H L-5362	Door complete, with "Noglare" semaphore lens	17.00
67114	H L-5315	Door complete, with double thick plain glass	5.00
111954	H L-5361	Door complete, with "Noglare" glass	12.25
111955	H L-5363	Door complete, with "Safety First" glass	9.00
67117	H L-5318	Door for clear and "Noglare" semaphore lens, less lens	5.00
67116	H L-5317	Door for plain, "Noglare" and "Safety First" glass, less glass	4.35
67118	H L-5320	Glass holder ring for semaphore lens	1.00
67119	H L-5321	Reflector, polished aluminum	6.50
67120	H L-5322	Reflector, white enameled steel	6.50
67122	H L-5324	Clear semaphore lens for door No. H L-5316	8.00
111956	H L-5365	"Noglare" semaphore lens for door No. H L-5362	12.00
67121	H L-5323	Double thick plain glass for door No. H L-5315	.75
111957	H L-5364	"Noglare" glass for door No. H L-5361	8.00
111958	H L-5366	"Safety First" glass for door No. H L-5363 (two pieces of glass, one clear, one red)	4.75
111959	H L-5359	Rubber packing for lens for door No. H L-5318	.35
111960	H L-5367	Rubber packing for glass for door No. H L-5317	.40

Parts Common to 25-100 and 150-watt Sizes

67123	H L-3680	Glass holder bracket complete, for plain glass	.07
67124	H L- 680	Support only, for glass holder bracket (per dozen)	.36
67125	H L- 681	Bolt and nut for glass holder bracket (per dozen)	.40
67126	H L-5276	Receptacle and bracket, wired	1.10
67127	H L-5275	Receptacle bracket	.55
67056	H L- 674	Receptacle	.55
67128	H L-5308	Hinge bolt and nut for door	.12
67129	H L-5309	Lock bolt for door	.35
67130	H L-5310	Nut for lock bolt (each)	.40
67131	H L-5311	Cotter pin for lock bolt (per dozen)	.35
67132	H L- 671	Screw for lamp receptacle bracket	.35
67057	H L- 673	Bolt and nut for lamp receptacle (per dozen)	.95
67133	H L- 676	Center screw for reflector (per dozen)	.40
67134	H L- 827	Rim screw for reflector (per dozen)	.40
67135	H L- 691	Bolt and nut for glass holder ring (per dozen)	.65
67059	H L-5312	Asbestos packing for door (per foot)	.25
67060	H L- 675	Lead wire (per foot)	.05
111961	H L-5341	Padlock	1.60

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROUSE-HINDS REFLECTORS

FOR ROUNDHOUSE AND INDUSTRIAL PLANT LIGHTING
TYPE RS REFLECTORS

Case of reflector is cast iron, black enameled on exterior and white porcelain enameled on inner surface. A $\frac{3}{4}$ -inch threaded hub at top of case provides for connection with conduit bracket containing circuit wires. Door frame and glass-holder ring are cast iron, black enameled, and are thoroughly gasketed to protect interior of reflector from gas, moisture and dust.

Door opens on hinge and is held tightly closed by three swivel bolts and wing nuts.

The 25-100-watt size has an adjustable socket holder to bring lamp to focal point of reflector. An adjustable socket holder is not required for 150-250-watt size.



Type RS Reflector

WITH PLAIN GLASS

25-100 Watts

Trade No.	Mfrs. No.	DIMENSIONS, INCHES			Ship. Wt. Lbs.	Price Each
		Total Height	Total Width	Diam. of Glass		
67080	26083	13	14 $\frac{1}{2}$	11 $\frac{3}{4}$	45	\$19.00

150-250 Watts

67081	26084	13	14 $\frac{1}{2}$	11 $\frac{3}{4}$	45	19.00
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WITH NOGLARE GLASS

25-100 Watts

111907	26109	13	14 $\frac{1}{2}$	11 $\frac{3}{4}$	45	26.25
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150-250 Watts

111908	26110	13	14 $\frac{1}{2}$	11 $\frac{3}{4}$	45	26.25
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PARTS FOR TYPE RS REFLECTORS

Trade No.	Mfrs. No.	Description	Price Each
67083	H L-5325	Case complete, less door.....	\$13.50
67084	H L-5326	Case, casting only.....	13.00
67085	H L-5327	Door complete, with double thick plain glass.....	5.00
111909	H L-5351	Door complete, with Noglare glass.....	12.25
67086	H L-5328	Door complete, less glass.....	4.35
67087	H L-5329	Door frame.....	2.75
67088	H L-5330	Glass holder ring for door.....	2.50
67089	H L-5331	Receptacle and receptacle plate, wired.....	1.10
67090	H L-5332	Receptacle plate.....	.50
67091	H L-5333	Double thick plain glass for door.....	.75
111910	H L-5352	Noglare glass for door.....	8.00
67092	H L-5334	Hinge pin for door.....	.12
67093	H L-5335	Lock bolt for door.....	.25
67094	H L-5336	Wing nut for lock bolt.....	.15
67095	H L-5337	Cotter pin for lock bolt (per dozen).....	.35
67096	H L-5338	Screw for glass holder ring (per dozen).....	.35
67097	H L-5339	Screw for lamp receptacle plate (per dozen).....	.35
67098	H L-5340	Bushing for receptacle plate.....	.20
67099	H L-5341	Socket extension for 25 to 100-watt lamps.....	.60
111911	H L-5353	Rubber packing for door No. HL-5328.....	.40
67056	H L- 674	Receptacle.....	.55
67057	H L- 673	Bolt and nut for lamp receptacle (per dozen).....	.95
67059	H L-5312	Asbestos packing for door (per foot).....	.25
67060	H L- 675	Lead wire (per foot).....	.05

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

INDUSTRIAL STEEL ABOLITES

THOROUGH VENTILATION AND RADIATION, SCIENTIFIC AND ECONOMICAL ILLUMINATION

BOWL ABOLITES

For 25 to 500-watt Type C Mazda Lamps

Two-piece Holder Socket Type

Trade No.	Mfrs. No.	Diam. Inches	Height Inches	Wattage of Lamps	Car- ton	Std. Pkg.	Wt. Lbs.	Price Each
116208	G-806	7	7½	25, 40, 50, 60	10	50	75	\$1.95
116209	G-807	9	9½	75, 100	10	50	125	2.25
116210	G-808	10	11	150, 200, 250	10	50	175	3.20
116211	*G-809	16	11	300, 400, 500	5	25	160	4.20
116212	G-716	Holder socket only		25-250	10	50	25	1.00
116213	*G-720	Holder socket only		300-400, 500	10	50	40	1.50

One-piece Holder Socket Type

116214	*G-810	16	11	300, 400, 500	5	25	160	4.30
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Shade Holder Type with H Holder, High Position

091550	G-461	7	5	25, 40, 50, 60	10	50	60	1.00
091552	G-465	9	7	75, 100	10	50	110	1.45
091553	G-467	10	8½	150, 200, 250	10	50	135	2.60
116215	G-447	Shade holder only		.....	10	50	.....	.20

Shade Holder Type with O Holder, Low Position

091561	G-462	7	5	25, 40, 50, 60	10	50	60	1.00
091563	G-466	9	7	75, 100	10	50	110	1.45
091564	G-468	10	8½	150, 200, 250	10	50	135	2.60
116216	G-450	Shade holder only		.....	10	50	.....	.20

DOME ABOLITES

For 60 to 500-watt Type C Mazda Lamps

Two-piece Holder Socket Type

116217	G-811	14	8	60, 75, 100	5	25	80	2.60
116218	G-812	18	8½	100, 150, 200, 250	5	25	135	3.30
116219	*G-813	20	9½	300, 400, 500	5	25	210	4.10
116220	G-716	Holder socket only		25-250	10	50	25	1.00
116221	*G-720	Holder socket only		300, 400-500	10	50	40	1.50

One-piece Holder Socket Type

116222	G-814	14	8	60, 75, 100	5	25	80	2.80
116223	G-815	18	8½	100, 150, 200, 250	5	25	135	3.35
116224	*G-816	20	9½	300, 400, 500	5	25	210	4.20

Shade Holder Type with H Holder, High Position

091558	G-470	10	3½	25, 40	10	50	105	1.00
091559	G-472	12	4	25, 40, 50, 60	10	50	130	1.30
091560	G-474	14	5½	60, 75, 100, 150	5	25	65	2.00
116225	G-476	18	6	100-250	5	25	80	2.80
116226	G-447	Shade holder only		.....	10	50	.....	.20

Shade Holder Type with O Holder, Low Position

091569	G-471	10	3½	25, 40	10	50	105	1.00
091570	G-473	12	4	25, 40, 50, 60	10	50	130	1.30
091571	G-475	14	5½	60, 75, 100, 150	5	25	65	2.00
116227	G-477	18	6	100-250	5	25	80	2.80
116228	G-450	Shade holder only		.....	10	50	.....	.20

*Large base receptacle. Other Abolites with large base receptacle, add 60 cents extra.

When Abolites regularly listed with large base receptacles are ordered with small base receptacles, deduct 60 cents.

When Abolite reflectors only, without holder sockets, are desired, deduct from above prices: 70 cents for holder sockets with small base receptacles; 90 cents for holder sockets with large base receptacles. Same standard package and carton quantities as for complete Abolites.

Above Abolites will be fitted with 12-inch extension tube and canopy No. G-497 for 90 cents additional. For tube over 12 inches in length add 15 cents for each 6-inch length or fraction thereof.

Abolite holder sockets are tapped for standard ½-inch threaded pipe or conduit. ¾-inch will be furnished when specified.

Standard finish, royal blue enameled outside, white enameled inside. Reflectors will be furnished white enameled inside and outside at no additional charge, when so specified in order.



Nos. G-806, G-807 and G-808



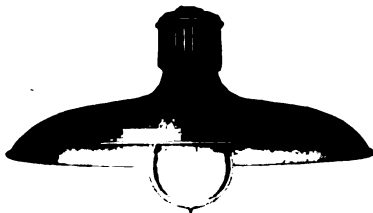
Nos. G-809 and G-810



Shade Holder Type. Bowl Abolite attached to Socket, H Position



Nos. G-811, G-812, G-814 and G-815



Nos. G-813 and G-816

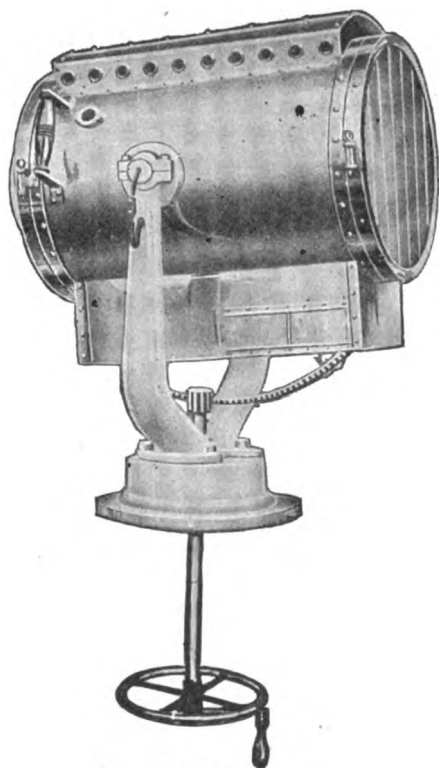


Shade Holder Type. Dome Abolite attached to Socket, O Position

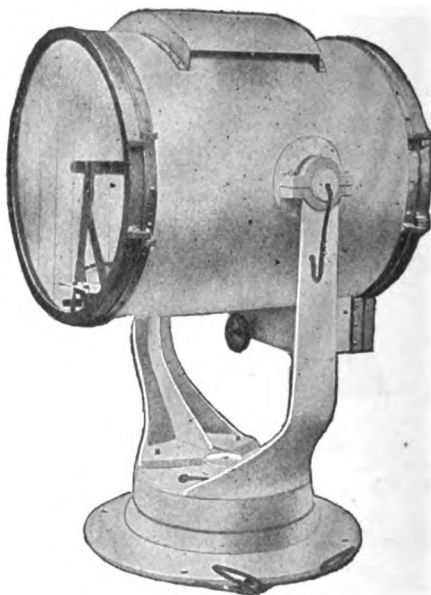
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SEARCHLIGHTS

FOR DIRECT CURRENT



Form 3M Projector



Form 1C Plain Searchlight

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FORM 3M PILOT HOUSE PROJECTORS

MIRROR REFLECTORS White Enameled Iron

Trade No.	Diam., Case Inches	Candle Power	Cap. Amps.	Weight Pounds	Height, In., to Center of Mirror	Price Each
018944	14	3000	10-15	116	22	\$350.00
018945	14	5000	20-25	116	22	370.00
Brass Case, Iron Stand						
018946	14	3000	10-15	116	22	375.00
018947	14	5000	20-25	116	22	395.00
Polished Brass						
018948	14	3000	10-15	116	22	423.00
018949	14	5000	20-25	116	22	443.00

The cases are all trimmed with polished brass end rings, and the spun cover of mirror is made of copper.

The handwheels within the pilot house are made of brass, polished and lacquered.

FORM 1C PLAIN SEARCHLIGHTS

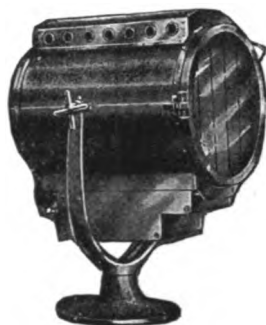
SILVERED COPPER REFLECTORS White Enameled Iron

018950	14	2000	10	90	21½	170.00
018950A	14	3000	15	90	21½	170.00
Brass Case, Iron Stand						
018952	14	2000	10	90	21½	187.00
018953	14	3000	15	90	21½	187.00
Polished Brass						
018954	14	2000	10	90	21½	215.00
018955	14	3000	15	90	21½	215.00

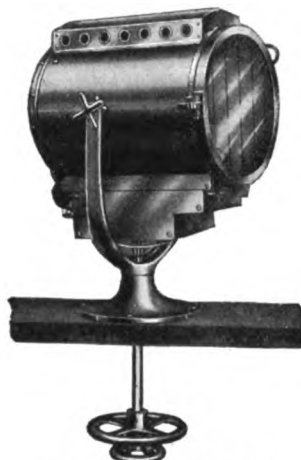
The plain searchlight is provided with automatic mechanism horizontal and vertical movements, and is to be directed by hand. It is provided with a focusing screw and hand-wheel for changing light from an intense straight ray to a spreading ray.

SEARCHLIGHTS

FOR DIRECT CURRENT



Form 1M Searchlight, 7-inch Mirror



Form 3M Searchlight, 7-inch Mirror

FORM 1M SEARCHLIGHTS
7-inch Mirror

Trade No.	Height, In., to Center of Mirror	Wt. Lbs.	Price Each
018334	12	17½	\$110.00

FORM 3M SEARCHLIGHTS
7-inch Mirror

019335	12	20	135.00
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The current consumption is from 3 to 5 amperes and requires a voltage of 60 or over.

A canvas cover, rheostat and six pair of carbons are included in the equipment.

The carbon feeding mechanism is contained in a separate box which is attached to the case or cylinder, by means of two brass rods. The feed is positive and the searchlight will burn in any position.

FORM 3M PROJECTORS
9-INCH MIRROR

Brass Case, Iron Stand

Trade No.	Height, In., to Center of Mirror	Wt. Lbs.	Price Each
018330	14¼	38	\$210.00

Polished Brass

018331	14¼	38	230.00
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FORM 1M PROJECTORS
9-INCH MIRROR

Brass Case, Iron Stand

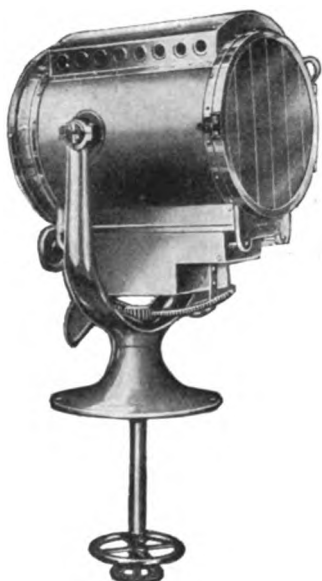
Trade No.	Height, In., to Center of Mirror	Wt. Lbs.	Price Each
018332	14¼	36	\$180.00

Polished Brass

018333	14¼	36	204.00
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The current consumption is from 5 to 10 amperes, according to the customer's wishes. The case or cylinder is made of brass, highly polished and the stand of iron or brass, as ordered.

The wires from the inside of the projector are brought down and out through the base so as to bring them under the deck or within the pilot house, as the case may be.



Form 3M Projector, 9-inch Mirror

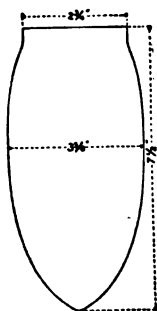


Form 1M Projector, 9-inch Mirror

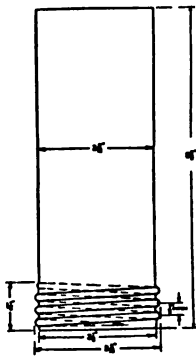
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

A-B ARC GLOBES AND REFLECTORS

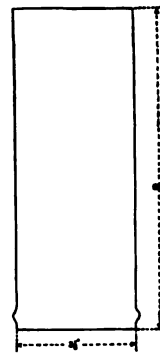
FOR ENCLOSED ARC AND REGENERATIVE FLAME LAMPS



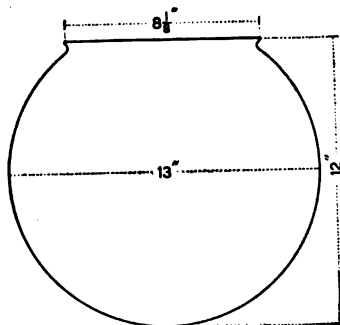
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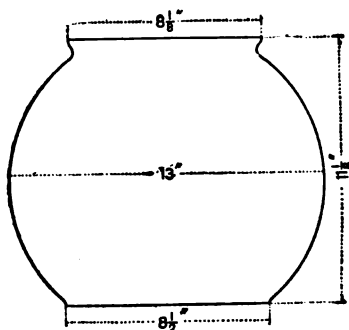
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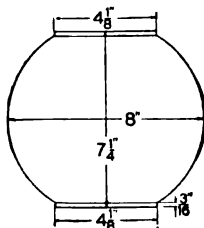
No. 24



No. 57



No. 60



No. 64

INNER ARC LAMP GLOBES

For Enclosed Arc Lamps

Trade No.	Mfrs. No.	Description	Length	DIMENSIONS, INCHES	
				Diam. Top	Diam. Largest Diam. Bottom
41868	14	.....	7 1/2	2 3/4	3 5/8
41869	17	.....	9	2 3/4	3 3/4

For Blue Print Lamps

41870	15	Open both ends	7	2 3/4	3 1/8	1 1/4
41871	21	Open both ends	8 1/8	3 1/2	4 1/2	1 3/8

For Regenerative Flame Lamps

41872	23*	Threaded lower end.....	8 5/8	3 3/8	3 5/8†	...
41873	24*	Bead lower end	8 3/8	3 1/8	3 1/4**	...
41874	26*	Focusing type, pear shaped..	9 1/2	9	....	...

OUTER ARC LAMP GLOBES

For Enclosed Arc Lamps

41875	57	.....	12	8 1/8	13	...
41876	58	Marine type....	10	6	6	...
41877	60	Open bottom...	11 1/8	8 1/2	13	8 1/2

For Regenerative Flame Lamps

41878	64	Open both ends	7 1/4	4 1/2	8	...
41879	66	Focusing type, acorn shaped	12	13 1/4	....	...

ARC LAMP REFLECTORS

For Enclosed Arc Lamps

41880	8	Porcelain.....	6 1/4	17	...
41881	C-257	Steel, enameled	....	20 1/2	...

For Regenerative Flame Lamps

41882	2358	Flat steel, enameled	....	....	...
41883	C-393	Flat steel, enameled	....	....	...
41884	C-718	Flat steel, enameled	....	....	...

Nos. 2358, C-393 and C-718 require serial number of lamps in ordering.

Always specify tint of glassware desired, in ordering.

*Furnished in clear glass only.

†This dimension is diameter over thread.

**This dimension is diameter over bead.

Prices Quoted on Application

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ORNAMENTAL STREET LIGHTING SYSTEMS WITH CUTTER POSTS AND BRACKETS



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Ornamental street lighting is the paramount attainment in city beautification. It expresses art and economy, progress and morality, safety and comfort as the prime issues of a city or town government. An installation of ornamental standards accomplishes an aesthetic purpose as well as a practical one. It encourages civic betterment and stimulates business activity. Streets are kept cleaner and building fronts are made more attractive because of their pleasing appearance by day. By night, adequate illumination is afforded by clusters of soft lights or single units of high candle power lamps enclosed in globes of diffusing glass.

The selection of artistic standards is the most important consideration in the plan of an ornamental lighting system. The posts should harmonize with their surroundings, should be sturdy in construction and easy to install. Cutter Posts are made by pioneers in the field of outdoor electric lighting. Over a quarter of a century has been devoted to the design and manufacture of electrical lighting fixtures. Cutter Posts are artistic and original in design. They are made of best quality grey iron, the recognized standard material for ornamental posts. They are made from metal patterns, thus insuring clean castings with ornaments true to design. There are many designs to select from, so that one can be found exactly suited to any individual requirement.

Until recently, the single light standard has been used almost exclusively in the resident portions of the city; for park and boulevard lighting and for entrances to private grounds and public buildings. The development of the high efficiency incandescent units of high candle power has made it possible to install single light posts in business districts, so spaced that the illumination is adequate for all purposes, and the cost of installation and maintenance reduced to a minimum.

These new lamps are more efficient in the 20-ampere class. As it is not practical usually to supply power to the lamps at this value, compensators are mounted either in the bases or tops of the posts to take power from a 6.6 or 7.5-ampere line and deliver it to the lamps at 20 amperes.

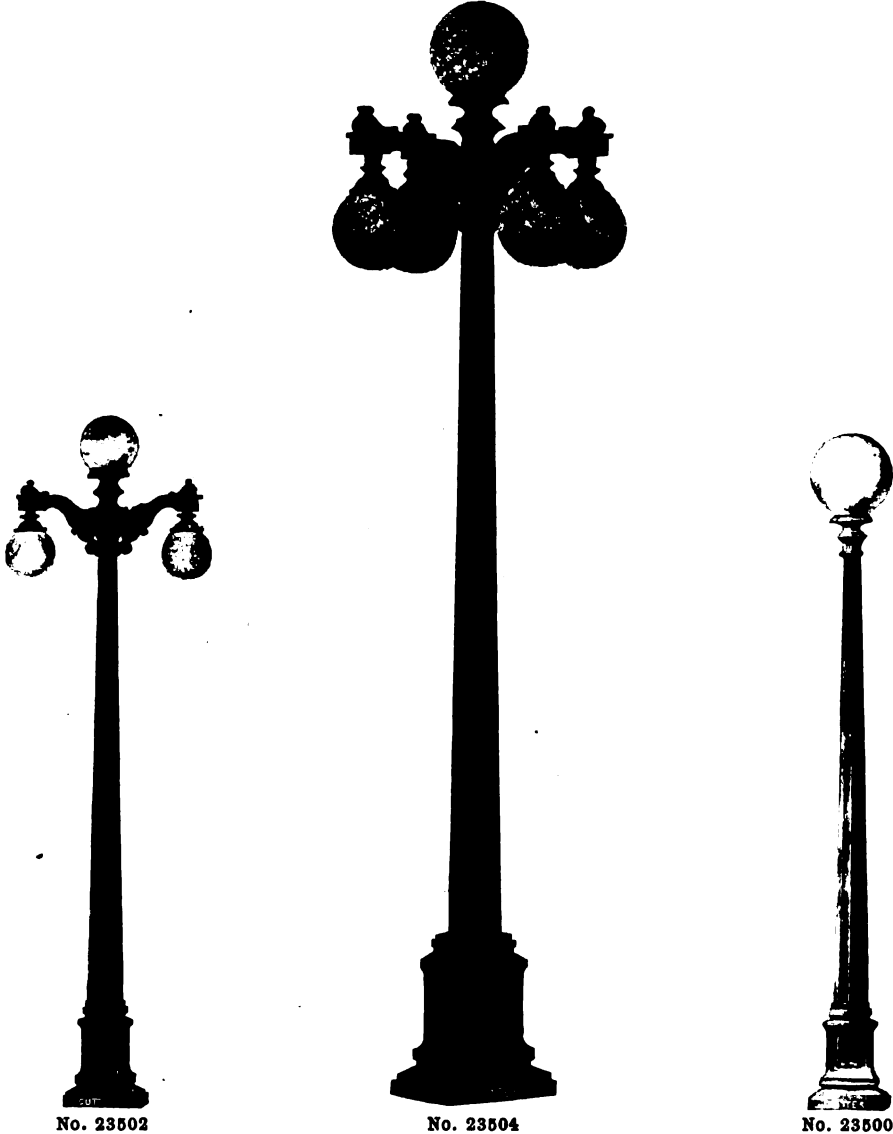
Operating these lamps on a series circuit of high potential necessitates the use of a pothead in the base of the post. This is described on a following page. This device also makes clusters of series lamps economical and safe, whereas in the past, multiple lamps have been used generally for cluster lighting.

The popular designs of Cutter Posts are listed on the following pages. Post parts are listed on the last two pages of this section. Special designs and drawings, showing many pleasing combinations will be submitted upon request. Our Engineering Service Department plans complete systems and furnishes expert advice when request is made.

Unless otherwise ordered, all Cutter Posts, Newels and Brackets will be furnished in black finish.

CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE
COMMONWEALTH



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Base, 18 inches square, 2 feet high. Column, 8 inches octagon above the base, tapering to 4 inches octagon near the top. Height from ground to bottom of pendent globes, 11 feet; to top of top globe, 14 feet 3 inches; to top of globe on the 1-light post, 13 feet 6 inches. Distance from center to center of opposite globes, 36 inches. Pendent globes, 6x12 inches; top globe, 8x14 inches; globe for 1-light post, 8x16 inches.

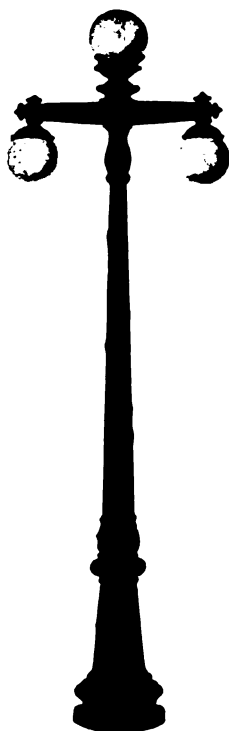
Trade No.	No. of Lights	Wt., Lbs. Each	Price Each	Trade No.	No. of Lights	Wt. Lbs. Each	Price Each
23500	1	475	\$55.00	23503	4	665	\$65.00
23501	2	560	60.00	23504	5	665	65.00
23502	3	560	60.00	....	....	....	....

Prices of posts include medium screw sockets, but not the globes, wiring, or foundation bolts. Use four 1-inch foundation bolts. See page of post parts.

CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE

RIVERSIDE



No. 21107



No. 21109



No. 21105

Base, 18 inches in diameter, 3 feet 6 inches high. Column, 8½ inches largest diameter, tapering to 3½ inches in diameter near the top. Height from ground to bottom of pendent globes, 11 feet; to top of top globe, 14 feet; to top of globe on the 1-light post 13 feet, 2 inches. Distance from center to center of opposite globes, 40 inches. All globes 8x12 inches, except for 1-light post, which is 8x16 inches.

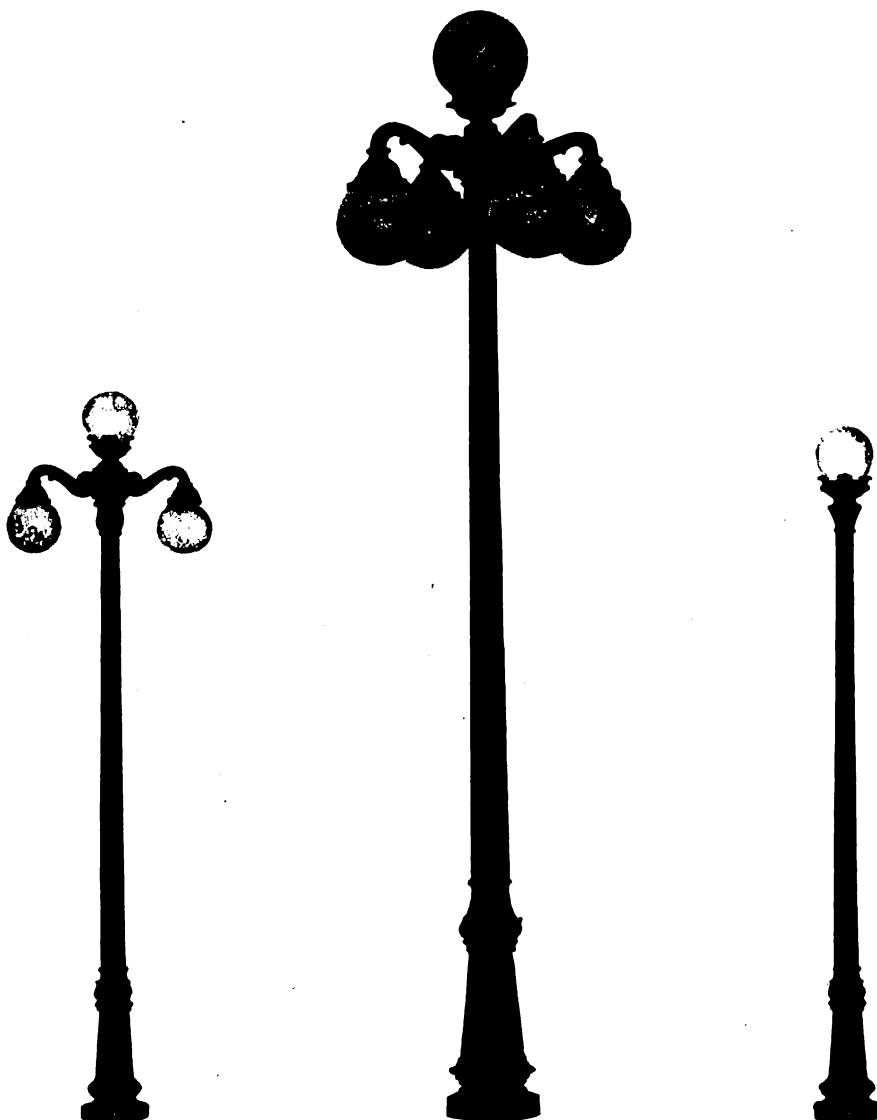
Trade No.	No. of Lights	Wt., Lbs. Each	Price Each	Trade No.	No. of Lights	Wt., Lbs. Each	Price Each
21105	1	450	\$50.00	21108	4	585	\$60.00
21106	2	500	55.00	21109	5	585	60.00
21107	3	500	55.00	....	....	....	....

Prices of posts include medium screw sockets, but not the globes, wiring, or foundation bolts. Use four ⅞ or 1-inch foundation bolts. See page of post parts.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE
BOULEVARD



No. 21119

No. 21121

No. 21117

Base, 14 inches in diameter, 2 feet 10 inches high. Column, 5½ inches in diameter above the base, tapering to 3½ inches in diameter near the top. Height, from ground to bottom of pendent globes, 10 feet; to top of top globe, 13 feet 2 inches; to top of globe on the 1-light post, 12 feet 7 inches. Distance from center to center of opposite globes, 32 inches. Pendent globes, 6x10 inches; top globe, 6x12 inches; globe for 1-light post, 8x14 inches.

Trade No.	No. of Lights	Wt., Lbs. Each	Price Each	Trade No.	No. of Lights	Wt., Lbs. Each	Price Each
21117	1	300	\$35.00	21120	4	375	\$47.50
21118	2	335	41.50	21121	5	375	47.50
21119	3	335	41.50	....	....	....	....

Prices of posts include medium screw sockets, but not the globes, wiring, or foundation bolts. Use four ¾-inch foundation bolts. See page of post parts.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER ORNAMENTAL POSTS

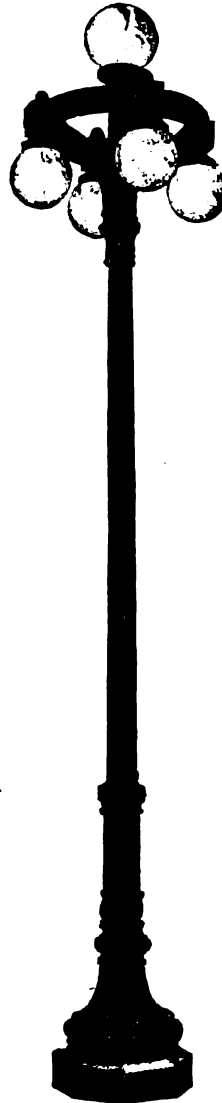
SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE



Avenue, No. 23009

Base, 18 inches square, 3 feet 11 inches high. Column, $6\frac{1}{2}$ inches in diameter above the base, tapering to $3\frac{1}{2}$ inches in diameter near the top. Height from ground to bottom of pendent globes, 11 feet; to top of top globe, 14 feet 4 inches; to top of globe on the 1-light post, 13 feet. Distance from center to center of opposite globes, 32 inches. Pendent globes 6x12 inches; top globe, 8x14 inches; globe for 1-light post, 8x16 inches. Use four $\frac{3}{4}$ or 1-inch foundation bolts.

Trade No.	No. of Lights	Wt., Lbs. Each	Price, Each
23005	1	500	\$55.00
23006	2	575	61.00
23007	3	575	61.00
23008	4	675	67.50
23009	5	675	67.50



Chicago, No. 23495

Base, 21 inches octagon at bottom, 4 feet high. Column, $5\frac{1}{8}$ inches in diameter above the base, tapering to 4 inches in diameter near the top. Height, from ground to center of pendent globes, 12 feet; to top of top globe, 14 feet 7 inches. Distance from center to center of opposite globes, 26 inches. Pendent globes, 6x9 inches; top globe, 6x12 inches. Use four $\frac{3}{4}$ -inch foundation bolts.

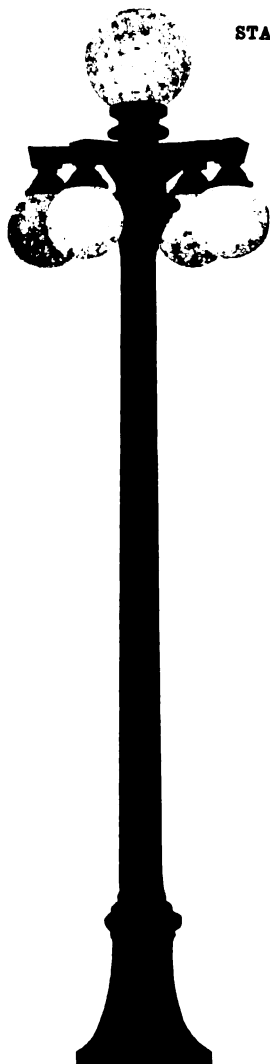
Trade No.	No. of Lights	Wt., Lbs. Each	Price Each
23000	1	500	\$55.00
23495	5	665	65.00

Prices of posts include medium screw sockets, but not the globes, wiring or foundation bolts.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER ORNAMENTAL POSTS

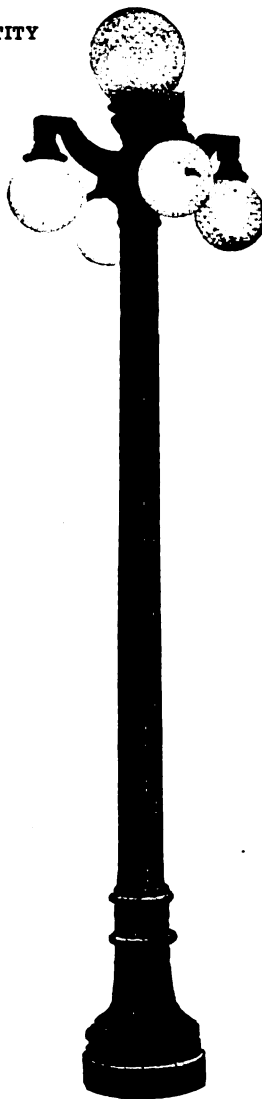
SCHEDULE I
STANDARD PACKAGE QUANTITY
20 OF ONE STYLE



Hexagonal, No. 23065

Base, 18-inch hexagon, 2 feet 1 inch high. Column, $6\frac{3}{4}$ -inch hexagon above base, tapering to $5\frac{1}{4}$ -inch hexagon near top. Height from ground to bottom of pendent globes, 10 feet 2 inches; to top of center globe, 13 feet 5 inches; to top of globe on 1-light post, 12 feet 11 inches. Distance from center to center of opposite globes, 32 inches. Pendent globes, 6x12 inches; top globe, 8x16 inches; globe for 1-light post, 8x16 inches. Use four $\frac{3}{4}$ -inch foundation bolts.

Trade No.	No. of Lights	Wt., Lbs., Each	Price, Each
23061	1	400	\$41.50
23062	2	450	48.00
23063	3	450	48.00
23064	4	485	53.00
23065	5	485	53.00



Broadway, No. 23696

Base, 20 inches in diameter, 2 feet 8 inches high. Column, $7\frac{1}{2}$ inches in diameter above the base, tapering to $6\frac{1}{8}$ inches in diameter near the top. Height, from ground to bottom of pendent globes, 11 feet $7\frac{1}{2}$ inches; to top of center globe, 15 feet; to top of globe on 1-light post, 14 feet. Distance from center to center of opposite globes, 32 inches. Pendent globes, 6x12 inches; top globe, 8x16 inches. Globe for 1-light post, 8x16 inches. Use four 1-inch foundation bolts.

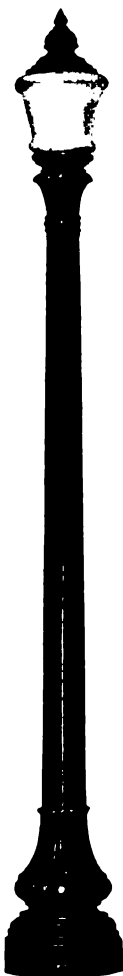
Trade No.	No. of Lights	Wt., Lbs., Each	Price, Each
23692	1	560	\$56.50
23693	2	650	62.50
23694	3	650	62.50
23695	4	700	67.50
23696	5	700	67.50

Prices of posts include medium screw sockets, but not the globes, wiring, or foundation bolts.

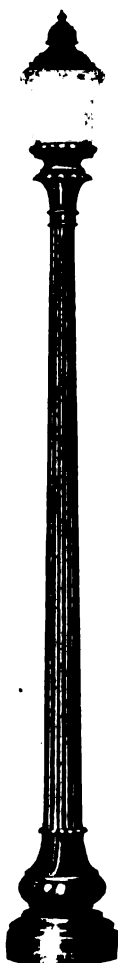
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE
SINGLE-LIGHT POSTS FOR TYPE C HIGH EFFICIENCY MAZDA LAMPS



Continental, No. 22055



Colony, No. 22065



Colony, No. 22068

The Continental Post is designed for "White Way" lighting, with Sol-lux Senior Top which accommodates compensators for 15 and 20-ampere series Mazda lamps. Base, 20 inches in diameter, 31 inches high. Column, $7\frac{1}{2}$ inches in diameter above the base, tapering to $5\frac{3}{4}$ inches in diameter near the top. Height to bottom of globe, 12 feet 6 inches; to top of ventilator on Sol-lux Senior Globe, 14 feet 8 inches; to top of ventilator on 16-inch ball globe, 14 feet 4 inches. Globe holder has 8-inch fitter. Use four $\frac{7}{8}$ or 1-inch foundation bolts.

The Colony Post is a smaller size of the Continental. Base, 16 inches in diameter, 21 inches high. Column, $5\frac{3}{4}$ inches in diameter above the base, tapering to $3\frac{3}{4}$ inches in diameter near the top. Height to bottom of globe, 10 feet; to top of ventilator on Sol-lux Junior Globe, 11 feet 11 inches; to top of ventilator on 16-inch globe, 11 feet 10 inches. Globe holder has 8-inch fitter and will accommodate compensator. Use three $\frac{3}{4}$ -inch foundation bolts.

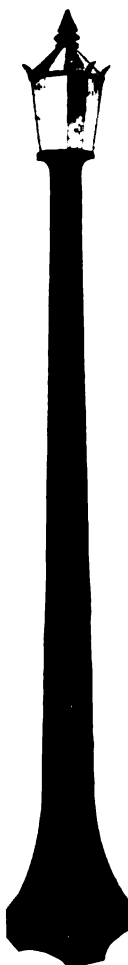
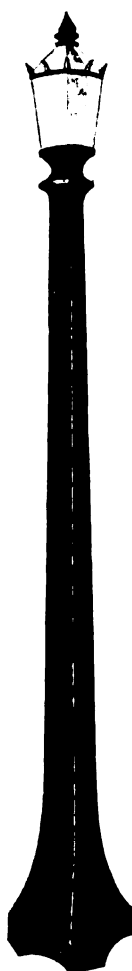
Description	Continental			Colony		
	Trade No.	Wt., Lbs. Each	Price Each	Trade No.	Wt., Lbs. Each	Price Each
*With globe holder and Mogul Screw Socket.....	22051	500	\$52.80	22061	300	\$35.30
With Sol-lux Ornamental Top, Mogul Screw Socket	22055	520	70.80	22065	320	50.30
Same, with Regent Film Socket.....	22056	521	71.80	22066	321	51.30
With 16-in. diffusing ball, ventilator and Mogul Socket	22058	520	63.30	22068	320	45.80
Same, with Regent Film Socket.....	22059	521	64.30	22069	321	46.80

*See another page for prices of compensators, glassware, potheads, sockets and foundation bolts.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE
SINGLE LIGHT POSTS FOR TYPE C HIGH EFFICIENCY MAZDA LAMPS



Arcadian with Octagonal
Senior Top and Extension Capitol

Arcadian No. 23160 with
Octagonal Senior Globe

Suburban with Sol-lux
Junior Top and Extension Capitol

The Arcadian Post is an original design of simple elegance embodying the latest ideas of art. It is adapted to either business or residence districts of all cities and towns.

Made in two sizes designated Arcadian and Suburban, furnished with or without extension capitol. Senior tops are used with the Arcadian; Junior tops with Suburban. The bases are made in 20-inch and 16-inch octagons respectively. Height from ground to bottom of globe on the Arcadian Post, 12 feet; on Suburban, 10 feet. The extension capitol is made to receive compensators for 15 and 20 ampere lamps and adds 5½ inches to the height. Use 4¾-inch foundation bolts.

Description	ARCADIAN			SUBURBAN		
	Trade No.	Wt., Lbs. Each	Price Each	Trade No.	Wt., Lbs. Each	Price Each
*With 8-in. globe holder and medium screw socket.....	23157	500	\$52.50	23164	350	\$40.00
Same, with Mogul Screw Socket.....	23158	501	52.80	23165	351	40.30
Same, with Regent Film Socket.....	23159	502	53.80	23166	352	41.30
With octagonal top, Mogul Socket....	23160	526	70.80	23167	373	57.30
Same, with Regent Film Socket.....	23161	527	71.80	23168	374	58.30
With Sol-lux Top, Mogul Screw Socket	23162	521	70.80	23169	368	55.30
Same, with Regent Film Socket.....	23163	522	71.80	23170	369	56.30

Extension capitol for compensator coil furnished when so ordered for \$1.50 list additional.

*Prices do not include glassware, compensators, wiring, lamps or foundation bolts.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE

SINGLE LIGHT STANDARDS FOR TYPE C HIGH EFFICIENCY MAZDA LAMPS



Metropolitan, No. 22536
With Octagonal Senior Top



Metropolitan, No. 22538
With Sol-lux Senior Top



Metropolitan, No. 22540
With 16-in. Diffusing
Ball and Ventilator

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

The Metropolitan Post is designed for the lighting of business districts. It is octagonal in shape except the lower portion of the base which is square. Furnished with octagonal casing for compensator coils.*

Base, 18 inches square, 3 feet high. Column, 6 $\frac{3}{4}$ inches, octagon above the base, tapering to 5 inches octagonal near the top. Height from ground to bottom of globe, 12 feet; to top of ventilator on octagonal globe, 14 feet 3 inches; to top of ventilator on Sol-lux Senior Globe, 14 feet 2 inches; to top of ventilator on 16-inch diffusing ball, 13 feet 7 inches. Use four $\frac{3}{4}$ -inch foundation bolts.

Trade No.	Description	Wt., Lbs. Each	Price Each
22534	With 8-inch globe holder and Mogul Screw Socket.....	450	\$50.00
22535	Same, with Regent Film Socket.....	451	51.00
22536	With Octagonal Senior Top, Mogul Screw Socket.....	475	70.00
22537	Same, with Regent Film Socket.....	476	71.00
22538	With Sol-lux Senior Top, Mogul Screw Socket.....	470	68.00
22539	Same, with Regent Film Socket.....	471	69.00
22540	With 16-inch diffusing ball, ventilator, Mogul Socket.....	470	60.50
22541	Same, with Regent Film Socket.....	471	61.50

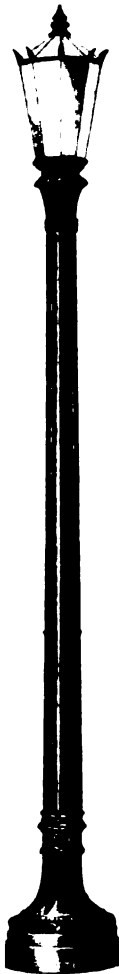
*For prices of compensators, foundation bolts, etc., see other pages.

CUTTER ORNAMENTAL POSTS

SCHEDULE I — STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE
SINGLE-LIGHT POSTS FOR TYPE C HIGH EFFICIENCY MAZDA LAMPS



Capitol, No. 22075



Capitol, No. 22077



Capitol, No. 22078

The Capitol Post is a massive standard of highly artistic design built especially for the lighting of business districts with high candle power incandescent lamps. Base, 20 inches in diameter, 2 feet 5 inches high. Column, 7½ inches in diameter above the base, tapering to 6⅞ inches in diameter near the top.

It is made in two heights, 13 feet 5 inches and 11 feet 4 inches to bottom of Sol-Lux globe. The heights to top of ventilator on Sol-Lux Senior Globe are 15 feet 7 inches and 13 feet 6 inches, respectively.

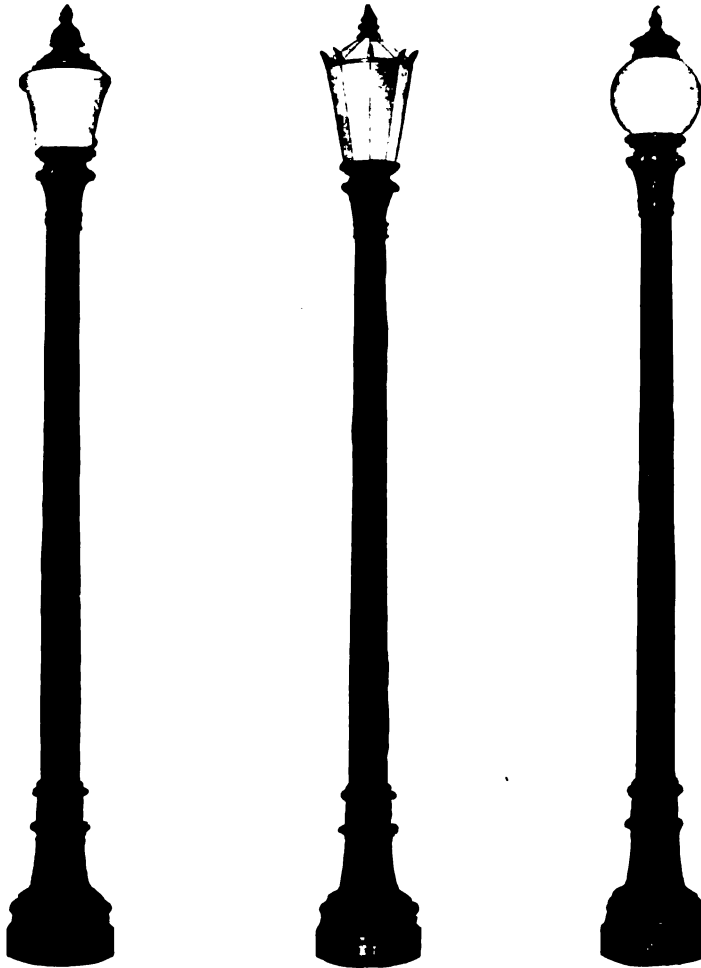
Description	13-foot 5-inch Posts			11-foot 4-inch Posts		
	Trade No.	Wt., Lbs. Each	Price Each	Trade No.	Wt., Lbs. Each	Price Each
With Sol-Lux Ornamental Top, Mogul Socket	22075	600	\$78.30	22097	500	\$70.80
Same, with Regent Film Socket	22076	601	79.30	22098	501	71.80
With Octagonal Senior Top, Mogul Socket	22077	600	80.30	22084	500	72.80
Same with Regent Film Socket	22083	601	81.30	22087	501	73.80
With 16-inch diffusing ball, ventilator and Mogul Socket	22078	600	70.80	22099	500	63.30
Same, with Regent Film Socket	22079	601	71.80	22100	501	64.30

Use four 1-inch foundation bolts. For prices of bolts, compensators, etc., see another page.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE
SINGLE LIGHT POSTS FOR TYPE C HIGH EFFICIENCY MAZDA LAMPS



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

**Broadway with Sol-lux
Senior Ornamental Top**

**Broadway with
Octagonal Senior Globe**

**Broadway with 16-inch
Diffusing Ball Ventilator**

The Broadway Post is a massive standard of simple and artistic design. It is especially adapted to white way lighting in large cities. Base, 20 inches diameter, 2 feet 8 inches high. Column $7\frac{1}{2}$ inches diameter above the base, tapering to $6\frac{1}{8}$ inches diameter near the top. Height from ground to bottom of globe, 13 feet 6 inches; to top of ventilator on globe, 15 feet 9 inches. Sol-lux Senior casing will accommodate compensator and has an 8-inch globe fitter.

The Plaza Post is of the same design and dimensions as the Broadway, but shorter. Designed for white way lighting in small cities and towns and for residence districts of large cities. Height from ground to bottom of globe, 11 feet, 6 inches; to top of ventilator, 13 feet, 9 inches.

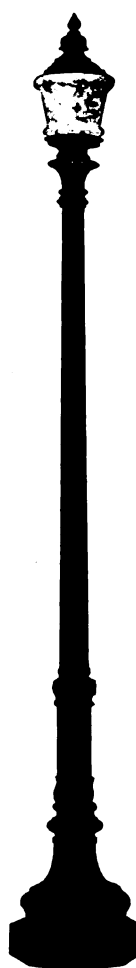
Description	BROADWAY			PLAZA		
	Trade No.	Wt. Lbs. Each	Price Each	Trade No.	Wt. Lbs. Each	Price Each
With Sol-lux Senior Top, Mogul Socket	23763	600	\$75.80	23769	525	\$70.80
Same, with Regent Film Socket.....	23764	601	76.80	23770	526	71.80
With Octagonal Senior Top, Mogul Socket.....	23765	600	77.80	23771	525	72.80
Same, with Regent Film Socket.....	23766	601	78.80	23772	526	73.80
With 16-inch Diffusing Ball, Ventilator, Mogul Socket.....	23767	600	68.30	23773	525	63.30
Same, with Regent Film Socket.....	23768	601	69.30	23774	526	64.30

Use four 1-inch foundation bolts. For bolts, compensators, etc., see other pages.

CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE

SINGLE-LIGHT POSTS FOR TYPE C HIGH EFFICIENCY MAZDA LAMPS

Octagonal, with Sol-lux
Senior Ornamental TopOctagonal, with 16-inch
Diffusing Ball and VentilatorChicago, with Sol-lux
Junior Ornamental Top

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

The Octagonal Post conforms to the latest ideas of artistic design. Straight lines and graceful proportions make it a standard of simple elegance, one which harmonizes with surroundings in almost every locality. The top accommodates compensators for 15 and 20-ampere lamps and has an 8-inch globe fitter. The post is made in two heights. Base, 21 inches octagon, 3 feet high. Column, 8 inches octagon above the base, tapering to 4½ inches octagon near the top. Heights to bottom of globe, 11 feet 9 inches and 15 feet 4 inches, respectively. Use four 1-inch foundation bolts.

The Chicago Post has a 21-inch octagonal base. Column, 5½ inches in diameter above the base, tapering to 4 inches in diameter near the top. Height to bottom of globe, 12 feet. Use four ¾-inch foundation bolts.

Trade No.	Description	Wt., Lbs. Each	Price Each
22111	11-ft. 9-in. Octagonal, Casing with 8-in. fitter, Mogul Socket.....	490	\$55.30
22112	Same, with Regent Film Socket.....	491	56.30
22121	15-ft. 5-in. Octagonal, Casing with 8-in. fitter, Mogul Socket.....	585	67.80
22122	Same, with Regent Film Socket.....	586	68.80
22131	Chicago, with Sol-lux Junior Casing with 8-in. fitter, Mogul Socket...	500	55.30
22132	Same, with Regent Film Socket.....	501	56.30

Prices do not include glassware, ventilators, compensators or foundation bolts. See page of post parts.

CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE
SINGLE-LIGHT STANDARDS FOR TYPE C HIGH EFFICIENCY MAZDA LAMPS



**Park View, with 16-inch
Diffusing Ball and Ventilator**



**Park View, with Sol-lux
Junior Top**



**Villa, with 16-inch
Diffusing Ball and Ventilator**

The Park View Post is designed especially for lighting parks, boulevards and entrances to public buildings. Base, 16 inches in diameter, 17 inches high. Column, 5½ inches in diameter above the base, tapering to 3½ inches in diameter near the top. Height to top of standard globe holder, 10 feet; to bottom of Sol-lux Junior Globe, 10 feet 3¼ inches; to top of ventilator on same, 12 feet 2½ inches; to top of ventilator on 16-inch ball globe, 12 feet.

The Villa design has a base 17 inches in diameter, 18¼ inches high. Column, 5 inches in diameter above the base, tapering to 2⅞ inches in diameter near the top. Height to top of standard globe holder, 10 feet; to top of ventilator on 16-inch ball globe, 12 feet. Standard globe holder has 8-inch fitter.

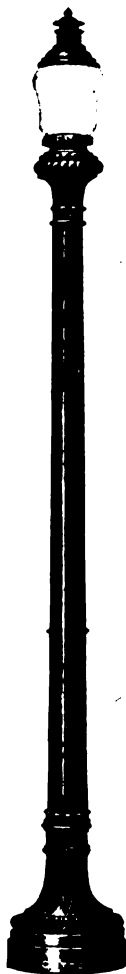
Description	Park View			Villa		
	Trade No.	Wt. Lbs.	Price Each	Trade No.	Wt. Lbs.	Price Each
*With 8-in. standard globe holder and medium screw socket	22435	300	\$35.00	22426	300	\$35.00
*Same, with Mogul Screw Socket.....	22436	301	35.30	22427	301	35.30
*Same, with Regent Film Socket.....	22437	302	36.30	22428	302	36.30
With Sol-lux Junior Top, Mogul Socket.....	22431	312	51.00	.....	.....	.....
Same, with Regent Film Socket.....	22432	313	52.00	.....	.....	.....
With 16-inch diffusing ball, ventilator and Mogul Socket..	22433	312	45.80	22429	312	45.80
Same, with Regent Film Socket.....	22434	313	46.80	22430	313	46.80

*Glassware and ventilators extra. Use three ¼-inch foundation bolts. See page of post parts.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER ORNAMENTAL POSTS

SCHEDULE 1—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE
SINGLE-LIGHT STANDARDS FOR NOVALUX TOPS



Capitol, with
Novalux Top



White Way, with
Novalux Top



Continental, with
Novalux Top

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

These posts are designed for use with inverted arc lamps, but prices do not include arc lamps. The columns have threaded holes in the top to receive screws for holding the insulator of the arc lamp. The dimensions are practically the same for all posts, except that the White Way and Capitol styles are made in shorter lengths as designated.

The bases are 20 inches in diameter and 2 feet 7 inches high. The columns are 7½ inches in diameter above the base, tapering to about 6 inches in diameter near the top. Height to bottom of inverted arc lamp, 12 feet 3 inches, except for Continental, which is 11 feet 5½ inches. Height to center of lamp of White Way type, 14 feet 6 inches; Residential, 12 feet.

Description	Ship. Wt., Lbs. Each	For Westinghouse Flame Lamp		For General Electric Novalux Top	
		Trade No.	Price Each	Trade No.	Price Each
Capitol, 14½ ft. to lamp center	550	22090	\$52.50	22095	\$52.50
Capitol, 12 ft. to lamp center	465	22070	45.00	22080	45.00
White Way	540	22091	50.00	22439	50.00
Residential	465	22092	45.00	22438	45.00
Continental	510	22094	47.50	22096	47.50

Use four 1-inch foundation bolts.

PARTS FOR CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER

Sol-lux Senior
Ornamental
TopSol-lux Junior
Ornamental
TopOctagonal Senior
Ornamental
TopSol-lux Junior Casing
with 16-in. Diffusing
Ball and Ventilator

SOL-LUX ORNAMENTAL POST TOPS FOR TYPE C LAMPS

Made in two sizes, designated Senior and Junior, respectively. The casings fit over cylindrical shanks $3\frac{1}{2}$ in. in diameter and 5 in. high. Both have 8-in. globe fitters and accommodate compensators for 15 and 20-ampere Type C lamps. The Senior Casing is made for poles with columns about 6 in. in diameter near the top; Junior Casing, about $3\frac{1}{2}$ in. Sol-lux Senior Tops may be used on Capitol, Continental, Broadway and Plaza Columns; Junior Tops on Chicago, Avenue, Riverside, Boulevard, Midway and Park View Columns.

Deduct \$3.20 list from prices of 1-light posts for globe holder and medium screw socket and add prices of parts listed below.

Height of Senior Casing, $14\frac{1}{4}$ in.; Junior Casing, $14\frac{1}{4}$ in. Height of Sol-lux Senior Globe, $14\frac{3}{4}$ in.; Sol-lux Junior Globe, 13 in. Height of Senior Ventilator, 12 in.; Junior, 10 in. Ventilators are equipped with reflectors which direct the maximum amount of light into useful planes.

Description	Senior			Junior		
	Trade No.	Wt., Lbs. Each	Price Each	Trade No.	Wt., Lbs. Each	Price Each
Sol-lux Casing without socket*.....	22477	40	\$7.00	22481	38	\$5.00
Sol-lux High Efficiency Globe.....	22478	13	7.50	22482	11	6.00
Sol-lux Ventilator with reflector.....	22479	9	10.50	22483	8	9.00
Complete Sol-lux Top, less socket*.....	22480	62	25.00	22484	57	20.00

OCTAGONAL POST TOPS FOR TYPE C LAMPS

Height of casing, 15 inches. Height to top of ventilator on Senior, 40 inches; on Junior, 36 inches. Casing has 8-inch globe fitter.

Description	Senior			Junior		
	Trade No.	Wt., Lbs. Each	Price Each	Trade No.	Wt., Lbs. Each	Price Each
Octagonal Casing.....	22463	50	\$10.00	22467	40	\$7.00
Octagonal Globe.....	22464	11	9.50	22468	9	7.50
Octagonal Trimming.....	22465	5	6.00	22469	4	5.00
Octagonal Ventilator.....	22466	9	4.50	22470	9	4.50

DIFFUSING BALL GLOBES

Trade No.	Diam. In.	SIZE OF FITTER. In.	Wt., Lbs. Each	Price Each	Trade No.	Diam. In.	SIZE OF FITTER. In.	Wt., Lbs. Each	Price Each
21841	8	6	5	\$1.50	22488	14	7	14	\$3.50
21830	9	6	6	1.75	22489	14	8	14	3.50
21842	10	6	7	2.00	22490	16	8	18	6.50
21831	12	6	8	2.50	21791	16	8	18	6.50
22453	12	6	8	2.50	22492	18	8	26	9.00
22487	12	8	8	2.50	22493	20	$8\frac{1}{4}$	36	25.00
22454	14	6	14	3.50	....	..	....	..	....

For globes with top fitters, order ventilators.

VENTILATORS FOR DIFFUSING BALL GLOBES

Trade No.	Description	Wt., Lbs., Ea.	Price, Each
21792	For globe with 6-inch top fitter.....	9	\$4.00

COMPENSATORS WITH MOGUL SOCKETS

Furnished with attachments for mounting in Sol-lux and Octagonal Post Tops.

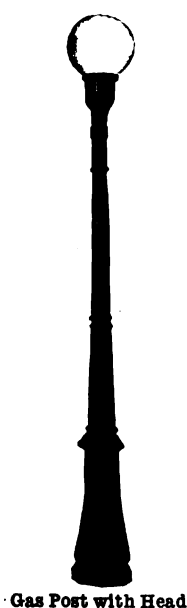
TRADE NUMBER	DESCRIPTION	Wt., Lbs. Each	Price Each
For 6.6-amp. 22494	For 7.5-amp. 22497		
22495	For 400 candle power, 15-ampere lamp	7	\$10.80
22496	For 600 candle power, 20-ampere lamp	9	11.80
	For 1000 candle power, 20-ampere lamp	14	13.80

*Add following list prices for sockets: Medium screw, 50 cents; Mogul Screw, 80 cents; Regent Film, \$1.80. Compensators with Mogul Screw Sockets are listed separately. Diffusing ball globes and ventilators for same are listed above.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PARTS FOR CUTTER ORNAMENTAL POSTS

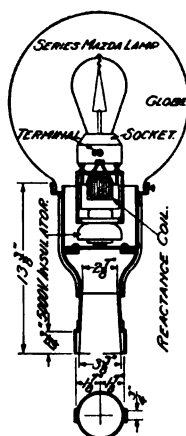
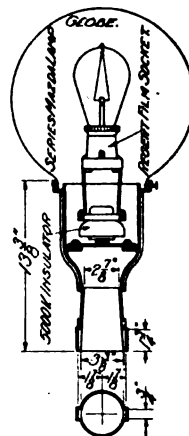
SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER



Gas Post with Head



Pothead

Cast Iron
Ground SectionPost Head with
7x14-in. Diffusing BallPost Head with
Reactance CoilPost Head with
Regent Film Socket

POST HEADS

Designed for converting gas posts into electric light standards. Fits gas post columns or steel poles of 2 1/4-inch internal diameter. Equipped with Mogul Socket and Reactance Coil (for use on series circuits without regulator) or with Cutter Lamp Grip Multiple Sockets or Regent Film Socket. Globe holder has 7-inch fitter. Prices do not include globes.

With Reactance Coils and Mogul Sockets					With Sockets only				
TRADE NUMBER	Size of Lamp	Weight	Price		TRADE NUMBER	Size of Lamp	Weight	Price	
4-ampere 60-cycle	6.6-ampere 60-cycle				4-ampere 60-cycle	6.6-ampere 60-cycle			
23051	23147	32	21	\$11.60	23054	23150	80	23	\$12.60
23052	23148	40	21 1/2	11.75	23055	23151	100	25	12.80
23053	23149	60	22	12.00	23056	23152	200	28	16.20
Medium Screw Socket					Mogul Screw Socket				
Trade No.	Wt., Lbs.	Price Each			Trade No.	Wt., Lbs.	Price Each		
23153	18	\$5.50			23154	19	\$5.80		
Regent Film Socket									
Trade No.	Wt., Lbs.	Price Each			Trade No.	Wt., Lbs.	Price Each		
23155	20	\$6.80							

POTHEADS

Has an iron bracket support for mounting in base of post. Provides a receptacle of high insulation where underground cables are connected to wires inside the post and hermetically sealed in. Cables are effectively grounded.

Trade No.	Description	Wt., Lbs.	Price, Ea.
23156	In ordering, give external diameter of cables.....	10	\$3.00
23156A	Sealing compound, (one pound per pothead) extra.....		.12
23156B	Iron support for imbedding in concrete.....	5	.75

GROUND SECTIONS

Prices of posts on preceding pages do not include foundation bolts or ground sections. When cast iron ground sections are used, bolts are supplied for fastening bases of posts to ground sections. Foundation bolts listed below.

Trade No.	Description	Wt., Lbs.	Price, Ea.
21138	Commonwealth and Midway.....	225	16.00
21144	Broadway, Plaza, Capitol, Continental, White Way, Residential, Park Way and Flaming Arc.....	225	16.00
21139	Avenue.....	225	16.00
21115	Chicago.....	225	16.00
21140	Riverside.....	160	13.00
21142	Park View and Colony.....	150	12.50
21116	Villa.....	160	13.00
21141	Boulevard.....	110	12.00

FOUNDATION BOLTS

Prices cover round head machine bolts with hexagon nuts. Wrought washers are 10 per cent list extra.

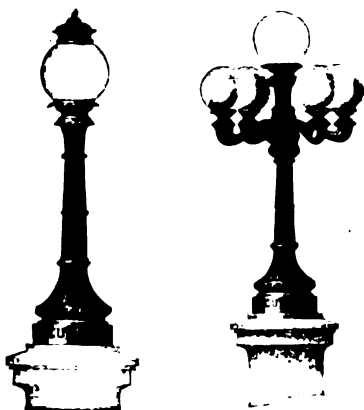
Price, Each					Price, Each				
Length, Bolt	DIAMETER OF BOLTS				Length, Bolt	DIAMETER OF BOLTS			
Inches	3/4-in.	1-in.	1 1/4-in.	1 1/2-in.	Inches	3/4-in.	1-in.	1 1/4-in.	1 1/2-in.
8	\$0.14	\$0.18	\$0.30	\$0.55	18	\$0.24	\$0.31	\$0.46	\$0.85
10	.16	.21	.32	.53	20	....	.35	.50	.90
12	.18	.24	.36	.65	24	....	....	.58	1.00
15	.22	.28	.40	.75	..	....	....	....	....

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER ORNAMENTAL NEWELS

FOR TYPE C LAMPS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE

SOL-LUX GATE POST NEWELS**Sol-Lux Gate Post Newels**

These newels are made of the highest quality grey iron. They are of distinctive design and very appropriate for the lighting of gateways and private grounds, entrances of buildings, etc.

Base, 14 inches in diameter, 24 inches high. Column, 5 inches in diameter above base, tapering to 3½ inches in diameter near the top. Height from base plane to bottom of side globes, 3 feet 8 inches; to bottom of center globe, 4 feet 6½ inches; to bottom of globe of 1-light newel, 3 feet 8 inches. Distance from center to center of opposite globes, 30 inches. Designed for 6x9-inch or 6x10-inch side globes, and 6x12-inch or 6x14-inch top globe.

Prices below include medium screw sockets for side lamps and Mogul Screw Sockets for center lamps, unless otherwise specified. Prices do not include globes, ventilators, lamps, wiring or foundation bolts. Use three ¾-inch bolts.

Trade No.	No. of Lights	Wt., Lbs. Each	Price Each
21817	1	125	\$25.00
21818	2	175	35.00
21819	3	175	35.00
21820	4	215	40.00
21821	5	215	40.00

SOL-LUX BRIDGE NEWELS

Similar in design to Sol-Lux Gate Post Newel but higher. Base, 14 inches in diameter, 24 inches high. Column, 5 inches in diameter above the base, tapering to 3½ inches in diameter near the top. Height from base plane to bottom of side globes, 6 feet; to bottom of center globe, 6 feet 10½ inches; to bottom of globe on the 1-light newel, 6 feet. Distance from center to center of opposite globes, 30 inches. Designed for 6x9-inch or 6x10-inch side globes and 6x12-inch or 6x14-inch center globes.

Arms may be reversed for pendent clusters.

Prices below do not include globes, ventilators, lamps, wiring or foundation bolts. Use three ¾-inch bolts, listed on another page. Prices include medium screw sockets for side lamps and Mogul Screw Sockets for top lamps.

Trade No.	No. of Lights	Wt., Lbs. Each	Price Each
21825	1	175	\$32.50
21826	2	225	42.50
21827	3	225	42.50
21828	4	265	47.50
21829	5	265	47.50

GLOBES

Trade No.	Description	Wt., Lbs. Each	Price Each
21830	6x9-inch Diffusing Ball...	6	\$1.75
21842	6x10-inch Diffusing Ball..	7	2.00
21831	6x12-inch Diffusing Ball (without top fitter)....	8	2.50
22472	6x12-inch Diffusing Ball (with 6-inch top fitter).	8	2.50
22473	6x14-inch Diffusing Ball (with 6-inch top fitter).	9	3.50
21791	8x16-inch Diffusing Ball (with 6-inch top fitter).	10	6.50

VENTILATORS

Trade No.	Description	Wt., Lbs. Each	Price Each
21792	With 6-inch fitter.....	9	\$4.00

**Sol-Lux Bridge Newels**

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

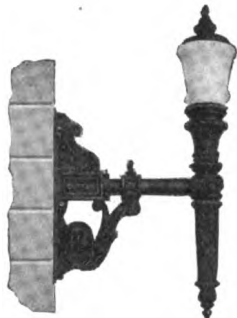
CUTTER BRACKETS, NEWELS AND TRAFFIC POSTS

SCHEDULE 1—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE

SOL-LUX WALL BRACKETS

For Type C Lamps

A massive bracket of highly artistic design. Wall plate, 2 feet high, 6 inches wide. Distance from wall to center of lamp, 3 feet. Height from bottom of shaft to top of ventilator on Sol-lux Senior Globe 6 feet 6½ inches.



Sol-lux Wall Bracket

Trade No.	Description	Ship. Wt. lbs., Each	Price Each
22542	With Sol-lux senior top, Mogul Socket.....	375	\$68.00
22543	With octagonal senior top, Mogul Socket.....	380	70.00

For Verde antique finish, add \$5.00 list. For weatherproof bronze paint add \$10.00 list.

METROPOLITAN NEWELS

A newel of simple but artistic design, adapted for lighting the entrances of buildings or for bridges and public places. Base 14 inches square, 2 feet high. Column 5 inches octagon above the base, tapering to 3½ inches octagon near the top. Height from base to bottom of globe 7 feet; to top of ventilator on octagonal junior globe 8 feet, 9 inches. Globe holder has 8-inch fitter. Use four ¾-inch foundation bolts.

22548	With octagonal junior top, med. screw socket.	225	52.00
22549	Same, with Mogul Screw Socket.	226	52.30
22550	Same, with Regent Film Socket.	227	53.30
22566	With Sol-lux junior top, medium screw socket.	220	50.00
22554	Same, with Mogul Screw Socket.	221	50.30
22555	Same, with Regent Film Socket.	222	51.30

For Verde antique finish, add \$5.00 list; for weatherproof bronze paint, add \$10.00 list.

"SAFETY FIRST" TRAFFIC POSTS

By marking the centers of intersecting streets the rule of "keep to the right" is always enforced. These traffic posts are silent watchmen, always on the job.

Base, 14 inches in diameter, 24 inches high. Column, 5 inches in diameter above the base, tapering to 3½ inches in diameter near the top. Height from base plane to bottom of globe on the 1-light newel, 6 feet.

Prices of newels do not include globes, lamps, wiring or foundation bolts. These are listed separately below.

27000	6-in. holder, medium multiple socket.....	175	32.20
27001	8-in. holder, medium multiple socket.....	176	32.20
21825	6-in. holder, Mogul Multiple Socket.....	176	32.50
27003	8-in. holder, Mogul Multiple Socket.....	177	32.50
27004	6-in. holder, Regent Film Socket.	177	33.50
27005	8-in. holder, Regent Film Socket.	178	33.50
27006	6x12-in. ruby globe, extra.....	8	8.00
27007	8x14-in. ruby globe, extra.....	9	12.00
21831	6x12-in. diffusing ball, extra.....	8	2.50
22489	8x14-in. diffusing ball, extra.....	9	3.50
	Set of three ¾x12-inch foundation bolts...	...	.54
20938	Fixed pin clamp arm.....	6	.80
20942	Pinless clamp arm.....	6½	.80

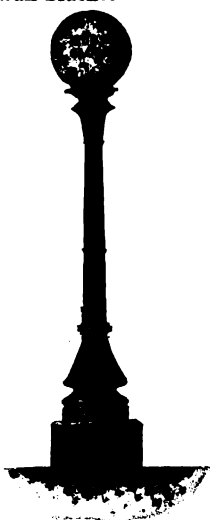
COMMERCE NEWELS

A massive newel designed especially for bridges and entrances to large buildings, etc. Base, 21x35¼ inches. Height from ground to bottom of pendent globes 4 feet 6 inches; to top of eagle ornamentation on top globe 9 feet 6 inches; to top of eagle ornamentation on one-light newel, 8 feet. Pendent globes, 8x14 inches; top globe, 8x20 inches; globe for 1-light newel 8x20 inches. Prices below include medium screw base sockets, glassware as above specified and eagle ornamentation, but not foundation bolts. Use four ¾-inch foundation bolts.

22556	One-light.....	475	125.00
22558	Three-light.....	550	135.00
22560	Five-light.....	625	150.00



Metropolitan Newel



"Safety First" Traffic Post



Commerce Newel

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER ORNAMENTAL BRACKETS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE

Midget
BracketReversible
Bracket1-light
Commerce
Bracket4-light Commerce
Bracket3-light Corridor
Bracket1-light Corridor
Bracket

MIDGET BRACKETS

A light cast iron bracket designed for small sizes of lamps which do not require ventilation. Has a threaded stem for attachment to crowfoot or conduit. Diameter of wall canopy, $5\frac{1}{4}$ inches. Distance from end of stem to center of globe, 6 inches. Equipped with $4\frac{1}{4}$ -inch holder and medium screw socket, but not wired.

Trade No.	Description	Wt., Lbs. Each	Price Each
21835	With 4x8-inch Diffusing Globe	12	\$4.75
21836	Without globe	7	3.25

REVERSIBLE BRACKETS

When ventilation is not necessary, this bracket may have the globe hang downward. In this position, the bracket has the same artistic lines and correct proportions as in the position illustrated. Distance from wall to center of globe, 2 feet. Distance between centers of wall plates, approximately 20 inches. Fitted with 8-inch globe holder.

Trade No.	Description	Wt., Lbs. Each	Price Each
21248	Medium screw socket	65	15.00
21837	Mogul Screw Socket	65	15.30
21791	8x16-inch Diffusing Ball (with 6-inch top fitter)	19	6.50
21792	Ventilator, with 6-inch fitter	9	4.00

COMMERCE BRACKETS

A massive fixture of distinctly artistic and classical design. Particularly adapted for lighting fronts of fine structures, such as banks and office buildings, clubs, libraries, etc.

Wall plate, 9 inches wide, 20 inches high. Distance from wall to center of top globe, 14 inches. Height to bottom of globe of 1-light bracket, 33 inches; to bottom of center globe of 3 and 4-light brackets, 41 inches. Distance from center to center of opposite globe, 30 inches.

For side lamps use 6x9-inch or 6x10-inch globes. For center lamps use 6x12-inch or 6x14-inch globe.

Prices below do not include lamps, globes, ventilators or wiring. Medium screw sockets are furnished for side lamps, Mogul Screw Sockets for center lamps, unless otherwise specified.

21838	1-light	90	20.00
21839	3-light	145	30.00
21840	4-light	155	32.50
21830	6x 9-inch Diffusing Ball	6	1.75
21842	6x10-inch Diffusing Ball	7	2.00
21831	6x12-inch Diffusing Ball (without top fitter)	8	2.50
22476	6x12-inch Diffusing Ball (with 6-inch top fitter)	8	2.50
22480	6x14-inch Diffusing Ball (with 6-inch top fitter)	9	3.50
21792	6-inch ventilator	9	4.00

CORRIDOR BRACKETS

Distance from wall to center of globe of the 1-light bracket, 10 inches. Distance from center to center of opposite globes of the 3-light bracket, 16 inches. Height over all, 40 inches. Globe holders have 6-inch fitters for 6x8-inch side globes and 6x10-inch center globes.

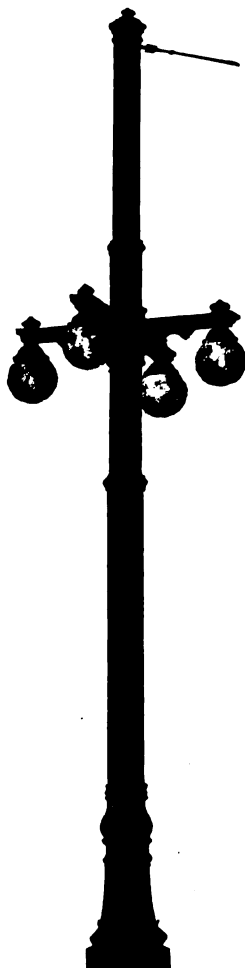
Prices below include globe holders and medium screw sockets, but not the globes or wiring.

21245	1-light	65	15.00
21246	3-light	110	21.00
21247	4-light	135	24.00
21841	6x8-inch Diffusing Ball	5	1.50
21842	6x10-inch Diffusing Ball	7	2.00

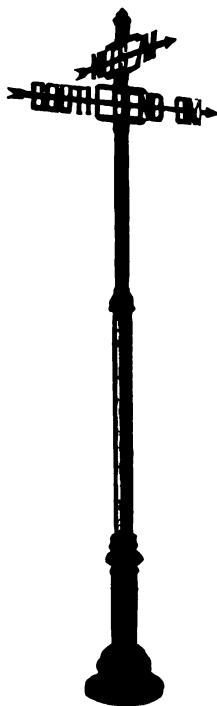
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER ORNAMENTAL POSTS AND BRACKETS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE
TROLLEY BRACKETS AND SIGN POSTS



Cluster Trolley
Brackets, No. 22154



Arcade Sign Post
No. 22443



Sol-lux Trolley
Brackets, No. 22251

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Cluster Trolley Brackets are fitted with 8-inch pendent globe holders and medium screw sockets. The clamps are adjustable to compensate for rake on trolley poles. Distance from center to center of opposite globes, 48 inches. Prices cover brackets only without globes.

Sol-lux Trolley Brackets are designed for Sol-lux Ornamental Tops or Inverted Arc Lamps. Distance from pole to center of lamp, 3 feet. Prices cover brackets only and do not include Arc Lamps or Ornamental Casing, Globe or Ventilator.

TRADE NUMBER			Description	Wt., Lbs. Each	Price Each
For 5-in. Pipe	For 6-in. Pipe	For 7-in. Pipe			
22152	22162	22172	2-light cluster bracket.....	185	\$25.00
22154	22164	22174	4-light cluster bracket.....	275	37.50
22551	22561	22571	*1-light Sol-lux Bracket for Sol-lux Orna- mental Top.....	275	37.50
22552	22562	22572	*Same, for Westinghouse Flame Lamp.	265	37.50
22553	22563	22573	*Same, for G-E Novalux Fixture.....	265	37.50

*Prices of 2-light Sol-lux Brackets are double those for single-light brackets.

Sign Posts

The Arcade Sign Post has a cast iron base, 12 inches in diameter, 2½ feet high and a column made of 2½ and 1¼-inch bore pipe. Height to center of signs, 9 feet 9 inches.

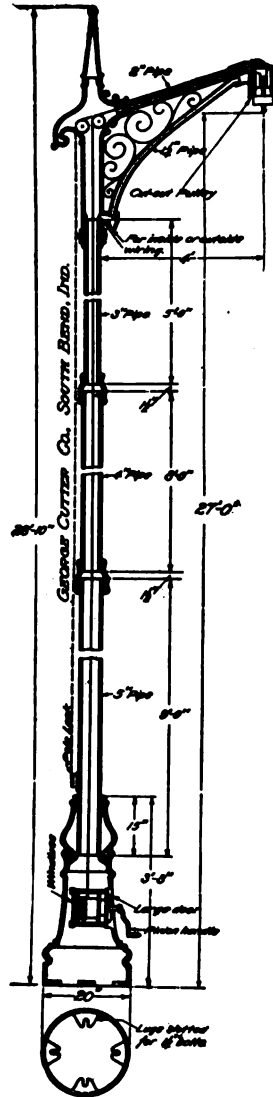
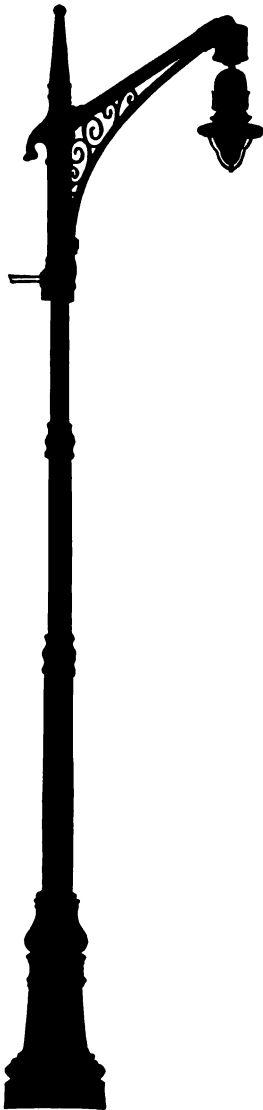
Trade No.	Description	Wt., Lbs., Each	Price, Each
22443	Without signs. Use four ¾-inch foundation bolts	125	\$12.00

CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE

FLAMING ARC

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



A substantial and artistic pole for supporting modern arc lamps. The hoisting rope may be run inside or outside the column and the wires may be strung overhead or laid underground.

TRADE NUMBER		Description	Wt., Lbs. Each	Price Each
With Multiple Cut-out Pulley	With Series Cut-out Pulley			
21147	21148	With pole lock outside.....	765	\$92.00
21111	21112	With hook in base	765	90.50

With High Voltage Insulator in Place of Cut-out Pulley and without Pole Lock or Hook

21288	With clamp arm for overhead wiring	745	82.00
21289	Without clamp arm.....	742	81.20

Prices do not include rope, wiring or foundation bolts. Use four 1¼-inch bolts.

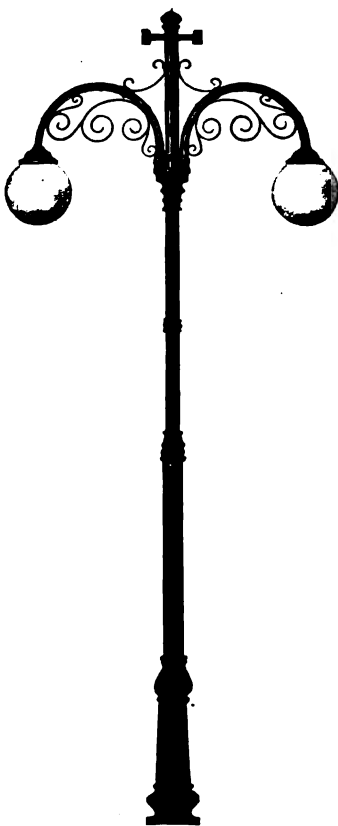
CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE
QUANTITY, 20 OF ONE STYLE

STREET CROOKS AND
VILLAGE CROOKS



No. 21180



No. 21195



No. 21191

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STREET CROOKS

These are well built street lighting poles for supporting arc or incandescent lamps. Height from ground to insulator, 18 feet. Other heights built to order. Diameter of base, 14 inches. Prices below include 5-foot ground section and insulators for arc lamps or 8-inch globe holders with medium screw sockets for 8x12-inch globes. If ground section is not wanted, deduct \$11.50.

TRADE NUMBER					TRADE NUMBER				
With Insulator	With 8-inch Holder	No. of Lights	Wt., Lbs. Each	Price Each	With Insulator	With 8-inch Holder	No. of Lights	Wt., Lbs. Each	Price Each
21180	21184	1	460	\$48.50	21182	21186	3	510	\$58.50
21181	21185	2	485	53.50	21183	21187	4	535	63.00

VILLAGE CROOKS

Similar to Cutter Street Crooks, but built for overhead wiring. Furnished complete, with clamp arm, ground section and with insulators for arc lamps or 8-inch globe holders and medium screw sockets for 8x12-inch globes. For ladder rest, add \$0.80 to the list prices.

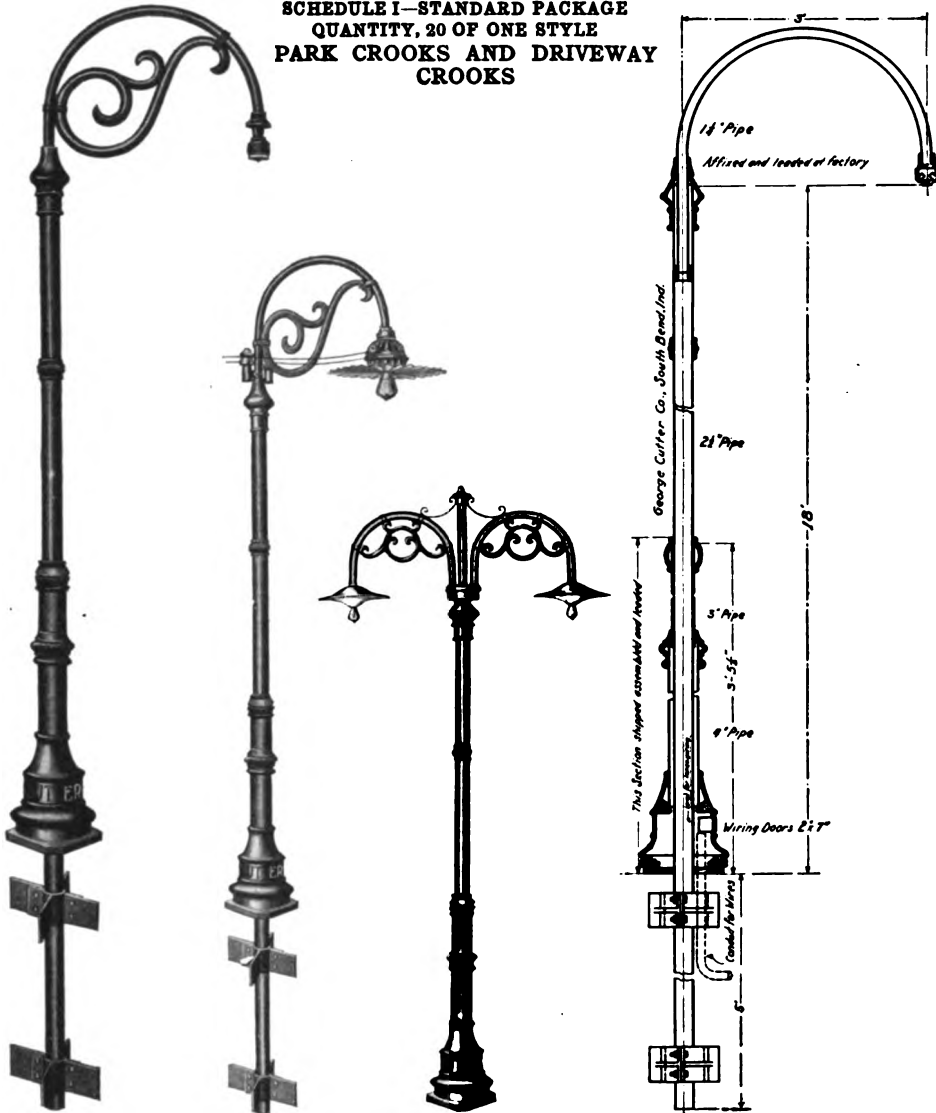
21190	21194	1	485	55.00	21192	21196	3	535	65.00
21191	21195	2	510	60.00	21193	21197	4	560	70.00

Prices do not include glassware, lamps or wiring. Use four 3/8-inch foundation bolts.

CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE
QUANTITY, 20 OF ONE STYLE
PARK CROOKS AND DRIVEWAY CROOKS

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Park Crook Driveway Crook Park Crook with Hoods Dimension Diagram Park Crook

Park Crooks are light but substantial poles for supporting arc or incandescent lamps. Standard height from ground to insulator, 18 feet. Other heights built to order. On 14-foot and shorter heights, 4-foot ground sections will be supplied, on greater heights, 5-foot. If ground section is not wanted, deduct \$7.50 from list, and use four $\frac{3}{4}$ -inch foundation bolts.

TRADE NUMBER					TRADE NUMBER				
With Insulators	With 18-inch Hoods	No. of Lights	Wt., Lbs. Each	Price Each	With Insulators	With 18-inch Hoods	No. of Lights	Wt., Lbs. Each	Price Each
21198	21202	1	340	\$37.50	21200	21204	3	385	\$48.50
21199	21203	2	365	43.50	21201	21205	4	410	53.50

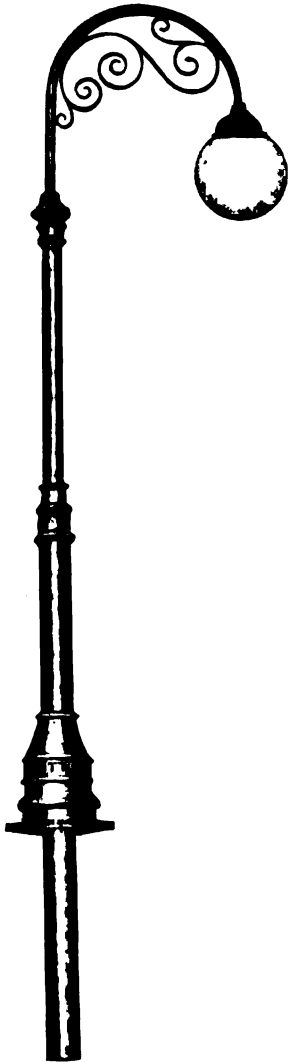
Driveway Crook, a variation of the Park Crook, built 14 feet from ground to lamp, fitted with 4-foot ground section, clamp arm for overhead wires and 20-inch Flat Radial Streethood Body with Insulating Joint.

Trade No.	Style Socket	Wt., Lbs. Each	Price Each	Trade No.	Style Socket	Wt., Lbs. Each	Price Each
21206	Medium screw	350	\$40.00	21208	Film	350	\$41.30
21207	Mogul Screw	350	40.30	21209	Without socket	350	39.50

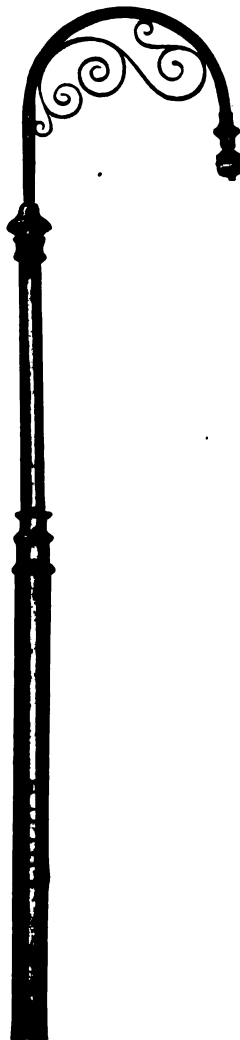
This fixture built for underground wiring at a reduction of 80 cents from list. Prices do not include lamps or wiring. Use four $\frac{3}{4}$ -inch foundation bolts.

CUTTER ORNAMENTAL POSTS

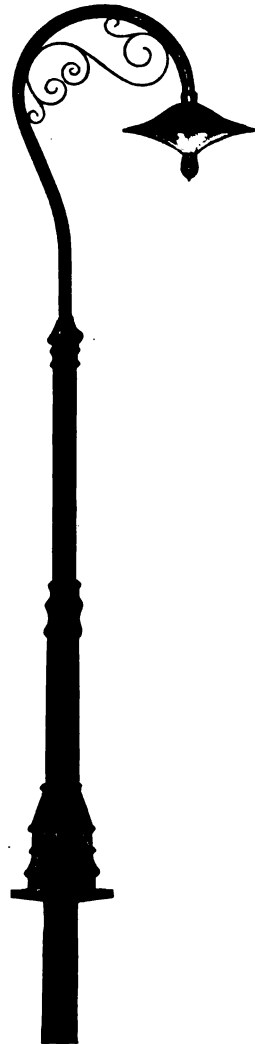
SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE
INTERURBAN AND URBAN CROOKS AND SWAN NECKS



Interurban Crook



Urban Crook



Interurban Swan Neck

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

The column is made of 4-inch and 2½-inch pipe, with the 4-inch pipe extending 4 feet into the ground. The cast iron base has a door to make wiring easy. The crook is made of 1¼-inch pipe and holds the lamp 2 feet 3 inches from the column. The height to insulator is 14 feet. Prices below include high voltage insulator, or 8-inch globe holder and medium screw socket or 18-inch hood, reflector and medium screw socket. If scroll is not wanted, deduct \$2.00 from list. For ground anchors, add \$5.50 to list.

INTERURBAN CROOKS AND SWAN NECKS

With Insulator	With Globe Holder	With 18-inch Hood	Description	Wt., Lbs. Each	Price Each
21218	21220	21222	Crook Bend	225	\$29.60
21219	21221	21223	Swan Neck	225	29.60

URBAN CROOKS AND SWAN NECKS

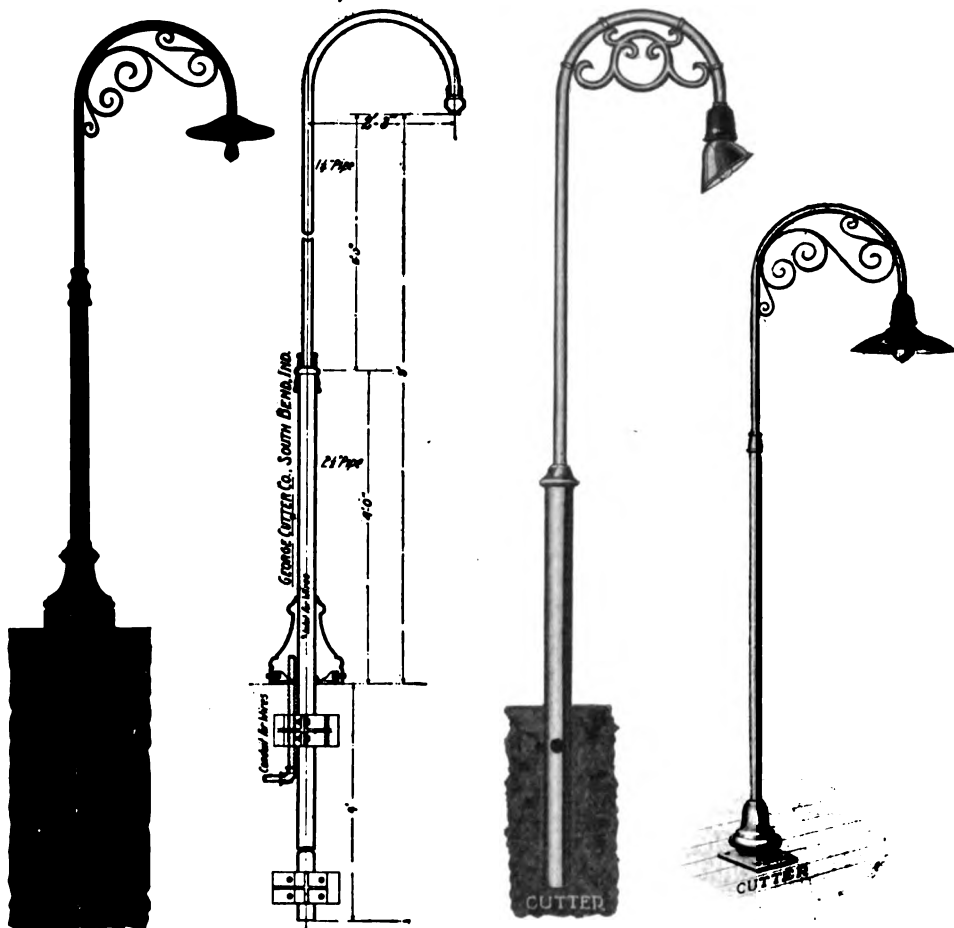
Same as Interurban, but without the base casting.					
21224	21226	21228	Crook Bend	190	22.60
21225	21227	21229	Swan Neck	190	22.60

Prices do not include lamps or wiring.

CUTTER ORNAMENTAL POSTS

SCHEDULE I—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE
ENTRANCE, LAWN AND PLATFORM CROOKS

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Entrance Crook

Lawn Crook

Platform Crook

ENTRANCE CROOKS

Artistic fixtures for lighting entrances to parks, private grounds, etc. The $2\frac{1}{2}$ -inch pipe extends 4 feet into the ground. Ground anchors, are \$5.00 extra; shipping weight 37 pounds extra. If scroll is not wanted, deduct \$2.00 from list.

Trade No.	Description	Wt., Lbs. Each	Price Each
23775	With 18-inch inverted cone hood, medium screw socket.....	160	\$18.75
23776	With 18-inch radial bowl streethood body, medium screw socket.....	168	22.55
23777	Same, with 20-inch flat radial streethood body.....	167	21.80

LAWN CROOKS

Similar to entrance crooks, but without cast iron base. If scroll is not wanted, deduct \$1.50 from list. Holds the lamp 2 feet from the column. Outer end is fitted with $1\frac{1}{4} \times \frac{1}{2}$ -inch reducer and $\frac{1}{2}$ -inch nipple with $2\frac{1}{4}$ or $3\frac{1}{4}$ -inch weatherproof holder to take reflectors having $2\frac{1}{4}$ or $3\frac{1}{4}$ -inch standard heels. Furnished with other sizes of holders and fittings, when so ordered, at regular catalogue list additions. Prices do not include reflectors. See Schedule H.

23778	With $2\frac{1}{4}$ -inch holder, medium screw socket.....	105	14.85
23779	With $3\frac{1}{4}$ -inch holder, Mogul Screw Socket.....	107	15.35

PLATFORM CROOKS

A $1\frac{1}{4}$ -inch pipe with cast iron base and crook bend of $\frac{1}{2}$ -inch pipe holds the lamp 8 feet from the floor. If scroll is not wanted, deduct \$1.50 from list. Prices do not include reflectors. See Schedule H.

23780	With $2\frac{1}{4}$ -inch holder, medium screw socket.....	80	8.85
23781	With $3\frac{1}{4}$ -inch holder, Mogul Screw Socket.....	82	9.35

Prices do not include lamps or wiring.

EFFICIENT AND ARTISTIC LIGHTING WITH CUTTER STREETHOODS AND BRACKETS

TYPE C LAMPS

The development of the Type C lamps and the design of reflector equipment for their proper application to specific lighting requirements, have made it possible to obtain high efficiency and pleasing effects under almost every conceivable condition. The shape of the filaments of these new lamps permits of greater accuracy in light distribution than formerly obtained. Their operating characteristics, however, in the large sizes, have presented new problems necessitating ventilation and elimination of glare. These have been solved so successfully that it is possible to secure light of any desired intensity and so distributed over a given area, that a well lighted street is now easily realized and at a low cost.

CUTTER REFLECTORS

As no single unit or lamp has been found applicable to all lighting requirements, we have designed a complete line of reflectors in several shapes and sizes to accommodate different sizes of lamps and to accomplish varied results. Characteristic curves for each style of reflector as shown on the following pages, will assist the illuminating engineer in selecting proper equipment for any particular installation.

The size of lamp is given for each style and size of reflector. Where several reflectors are recommended for a lamp of given candle power rating, one should be guided by the distribution curves. Expert engineering advice will be given upon request.

EFFICIENCY AND DISTRIBUTION

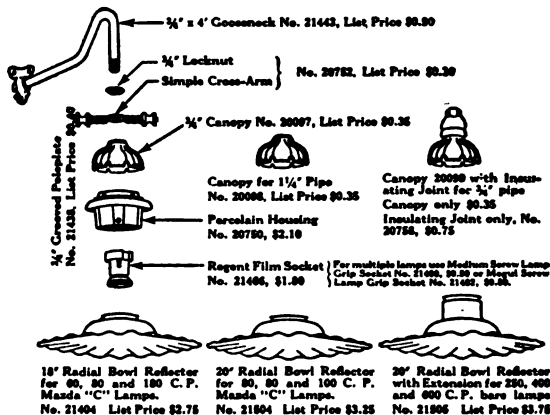
While lamp efficiency is a very important consideration in street lighting, proper distribution of the light is even more important in affording useful illumination. Therefore, the value of a reflector is determined principally by the way in which the light is distributed over a given area. With the Radial Bowl and Inverted Cone Reflectors, the maximum amount of light is directed into planes where it is most needed to obtain uniform illumination. Enough light passes above the horizontal plane of the lamp to show the outlines of building fronts.

SPACING AND MOUNTING HEIGHTS

Local conditions govern spacing and mounting heights. Where there are shade trees, the fixtures should be hung low enough for the light to clear the foliage, otherwise they should be placed well above the ground. The size of lamp and style of reflector determine the actual heights as follows: 15 to 18 feet for Radial Bowl Reflectors with 100 candle power and smaller lamps; 20 to 25 feet with 250 candle power and larger lamps; 12 to 15 feet for Flat Radial Wave Reflectors; 10 to 15 feet for 18-inch Inverted Cone Reflectors, and 12 to 20 feet for 22-inch Inverted Cone Reflectors.

CUTTER BRACKETS

Reflectors with suspension parts are listed in this catalogue as street-hood bodies. Interchangeable parts make it easy to convert from one style to another. Brackets for supporting the street-hood bodies are listed separately. These are made in plain and ornamental types and of such a variety of designs that it is possible to select a complete fixture to meet any requirement for efficient and for artistic lighting.



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER STREETHOOD BODIES

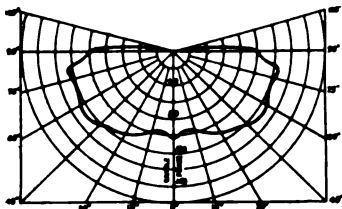
FOR 60, 80 AND 100 C. P. SERIES AND SMALL MULTIPLE MAZDA LAMPS

SCHEDULE A—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER

A Streethood Body consists of a ventilated iron canopy threaded for $\frac{3}{4}$ -inch pipe or adapter or for $1\frac{1}{4}$ -inch pipe; a porcelain housing with attachments for either multiple or series sockets and a porcelain enameled reflector with 4-inch copper heel and with or without diffusing glassware. The porcelain housing is made for use with either inner-wired or outer-wired fixtures and is covered with a weatherproof glaze. Wires leading to the socket may be tied securely in the rim of the porcelain, thus eliminating the necessity of a cross-arm.† Where list prices include sockets, Cutter Lamp Grip Multiple Sockets or Regent Film Sockets* will be supplied. Concentric reflectors are recommended only for use with refractors and diffusers.



18-inch Radial Bowl Streethood Body, Showing use of Simple Cross-Arm and Locknut for $\frac{3}{4}$ -inch Gooseneck Suspension



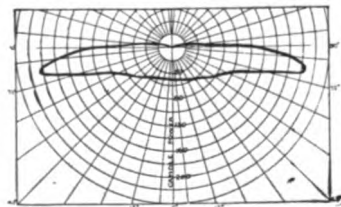
Distribution Curve for 100 C. P. Lamp and 18-inch Radial Bowl Reflector



20-inch Flat Radial Streethood Body



18-inch Concentric Dome Body with Small Refractor



Distribution Curve for 100 C. P. Series Lamp and 18-inch Concentric Dome Reflector with Refractor

18-INCH RADIAL BOWL STREETHOOD BODIES

For 60, 80 and 100 C. P. Series and 300-watt or Smaller Multiple Type C Mazda Lamps

TRADE No. For $\frac{3}{4}$ -inch Pipe	For $1\frac{1}{4}$ -inch Pipe	Description	Ship. Wt., Lbs.	Price Each
20001	20002	Medium screw socket	13 $\frac{3}{4}$	\$5.70
20003	20004	Mogul Screw Socket	14	6.00
20005	20006	*Regent Film Socket	14 $\frac{1}{4}$	7.00
20007	20008	Without socket	12 $\frac{3}{4}$	5.20

20-INCH RADIAL BOWL STREETHOOD BODIES

For 60, 80 and 100 C. P. Series and 300-watt or Smaller Multiple Type C Mazda Lamps

20009	20010	Medium screw socket	14 $\frac{1}{8}$	6.20
20011	20012	Mogul Screw Socket	15 $\frac{1}{4}$	6.50
20013	20014	*Regent Film Socket	15 $\frac{1}{2}$	7.50
20015	20016	Without socket	14	5.70

20-INCH FLAT RADIAL STREETHOOD BODIES

For Old Style Series and Small Multiple Lamps

20033	20034	Medium screw socket	12 $\frac{1}{4}$	4.95
20035	20036	Mogul Screw Socket	12 $\frac{1}{2}$	5.25
20037	20038	*Regent Film Socket	12 $\frac{3}{4}$	6.25
20039	20040	Without socket	11 $\frac{1}{8}$	4.45

18-INCH CONCENTRIC DOME BODIES WITH SMALL HOLOPHANE REFRACTOR

For 60, 80 and 100 C. P. Type C Series Mazda Lamps

22177	22178	Medium screw socket	16 $\frac{5}{8}$	8.95
22179	22180	Mogul Screw Socket	17	9.25
22181	22182	*Regent Film Socket	17 $\frac{1}{4}$	10.25
22183	22184	Without socket	15 $\frac{3}{4}$	8.45

18-INCH CONCENTRIC DOME BODIES WITH SMALL OPAL DIFFUSER

For 60, 80 and 100 C. P. Type C Series Mazda Lamps

22185	22186	Medium screw socket	14 $\frac{3}{8}$	6.45
22187	22188	Mogul Screw Socket	15	6.75
22189	22190	*Regent Film Socket	15 $\frac{1}{4}$	7.75
22191	22192	Without socket	13 $\frac{3}{4}$	5.95

PARTS FOR STREETHOOD BODIES

Trade No.	Description	Ship. Wt., Lbs.	Price Each
20097	$\frac{3}{4}$ -inch canopy only.....	1 $\frac{3}{4}$	\$0.35
20098	$1\frac{1}{4}$ -inch canopy only.....	1 $\frac{3}{4}$	.35
20099	$\frac{3}{4}$ -inch canopy only for insulating joint on Style B bracket.....	1 $\frac{3}{4}$	.35
20750	Porcelain housing.....	6 $\frac{1}{4}$	2.10
21404	18-inch radial bowl reflector.....	4 $\frac{3}{4}$	2.75
21504	20-inch radial bowl reflector.....	6	3.25
21507	20-inch flat radial reflector.....	3 $\frac{7}{8}$	2.00
22196	18-inch concentric dome reflector with holder.....	4 $\frac{1}{4}$	3.25
22197	Small Holophane refractor.....	3 $\frac{1}{2}$	3.25
22198	Small opal diffuser.....	1 $\frac{1}{2}$	.75

†Simple cross-arm No. 20752 with $\frac{3}{4}$ -inch locknut may be attached to canopy for $\frac{3}{4}$ -inch gooseneck suspension. Add 30 cents to list price.

*Standard Film Socket will be furnished in place of Regent when so ordered.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER STREETHOOD BODIES

RADIAL AND CONCENTRIC

For 250, 400 and 600 C. P. Series and Large Multiple Type C Mazda Lamps

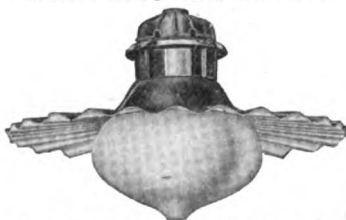
SCHEDULE A—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER



20-inch Radial Bowl Streethood Body, with Extension



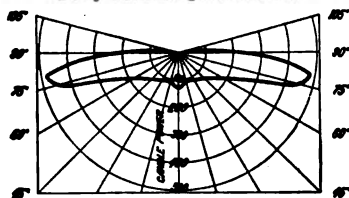
18-inch Radial Bowl Streethood Body with Large Sol-Lux Diffuser



24-inch Radial Bowl Streethood Body with Acorn Diffuser



20-inch Concentric Dome Streethood Body with Large Refractor



Distribution Curve for 250 C. P. Lamp and 18-inch Radial Bowl Reflector with Large Refractor

Streethood bodies listed on this page are similar to those listed on the previous page, but the reflectors are designed for larger lamps. The 20-inch Radial Bowl Reflector with extension is used without refractor or diffuser. Other reflectors shown on this page are equipped with hinged holders and are listed with large Holophane Refractor or Sol-Lux Diffuser. Where list prices include sockets, Cutter Lamp Grip Multiple Sockets or Regent Film Series Sockets will be supplied.*

20-INCH RADIAL BOWL STREETHOOD BODIES WITH EXTENSION

For 250, 400 and 600 C. P. Series and 400-watt or Larger Multiple Type C Mazda Lamps

TRADE No. For 3/4-in. Pipe	For 1 1/4-in. Pipe	Description	Wt., Lbs. Each	Ship. Price Each
20017	20018	Medium screw socket.	15 7/8	\$6.70
20019	20020	Mogul Screw Socket...	16 1/4	7.00
20021	20022	*Regent Film Socket...	16 1/2	8.00
20023	20024	Without socket	15	6.20

18-INCH RADIAL BOWL BODIES WITH LARGE HOLOPHANE REFRACTOR

For 250, 400 and 600 C. P. Type C Series Mazda Lamps

20049	20050	Medium screw socket.	21 1/2	13.95
20051	20052	Mogul Screw Socket...	21 3/4	14.25
20053	20054	*Regent Film Socket...	22	15.25
20055	20056	Without socket	21	13.45

18-INCH RADIAL BOWL BODIES WITH LARGE SOL-LUX DIFFUSER

For 250, 400 and 600 C. P. Type C Series Mazda Lamps

22199	22200	Medium screw socket.	17 1/2	8.45
22201	22202	Mogul Screw Socket...	17 3/4	8.75
22203	22204	*Regent Film Socket...	18	9.75
22205	22206	Without socket	17	7.95

24-INCH RADIAL BOWL STREETHOOD BODIES WITH ACORN DIFFUSER

For 250, 400 and 600 C. P. Series and 400, 500, 750 and 1000-watt Multiple Type C Mazda Lamps

20025	20026	Medium screw socket.	26 7/8	11.20
20027	20028	Mogul Screw Socket...	27 1/4	11.50
20029	20030	*Regent Film Socket...	27 1/2	12.50
20031	20032	Without socket	26	10.70

If Acorn Diffuser is not wanted, deduct \$3.75 list.

20-INCH CONCENTRIC DOME BODIES WITH LARGE HOLOPHANE REFRACTOR

For 250, 400 and 600 C. P. Type C Series Mazda Lamps

22207	22208	Medium screw socket.	21 3/8	13.70
22209	22210	Mogul Screw Socket...	22	13.95
22211	22212	*Regent Film Socket...	22 1/4	15.00
22213	22214	Without socket	20 3/4	13.20

20-INCH CONCENTRIC DOME BODIES WITH LARGE SOL-LUX DIFFUSER

For 250, 400 and 600 C. P. Type C Series Mazda Lamps

22215	22216	Medium screw socket.	17 3/8	8.20
22217	22218	Mogul Screw Socket...	18	8.50
22219	22220	*Regent Film Socket...	18 1/4	9.50
22221	22222	Without socket	16 3/4	7.70

PARTS FOR STREETHOOD BODIES

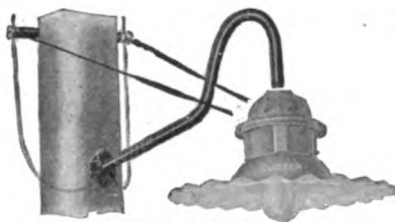
20097	20098	Canopy only	1 3/4	.35
20750		Porcelain housing	6 1/4	2.10
21502		18-in. Radial Bowl with holder.	7 3/4	4.00
21505		20-in. Radial Bowl with extension...	7	3.75
22225		24-in. Radial Bowl with holder . .	9	5.75
21503		20-in. Concentric Dome with holder.	7 1/2	3.75
22223		Large Holophane Refractor	5 1/4	7.00
22224		Large Sol-Lux Diffuser	1 1/4	1.50

Simple cross-arm No. 20752 with 3/4-inch locknut may be attached to canopy for 3/4-inch gooseneck suspension. Add 30 cents to list price.

*Standard Film Socket shown on another page will be furnished in place of Regent when so ordered.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Style A Bracket



Majestic Bracket



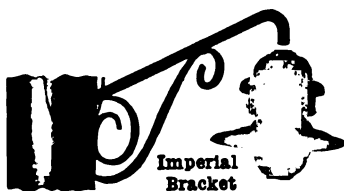
Boulevard Telescope Bracket



Spartan Straight Arm Bracket



Arcadian Bracket



Imperial Bracket

CUTTER INCANDESCENT BRACKETS FOR STREETHOOD BODIES

SCHEDULE A—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER

Brackets listed on this page are designed for streethood bodies listed on the two preceding pages. Prices cover brackets only. The list price of a complete fixture is obtained by adding to the price of the bracket, the price of the streethood body selected.

STYLE A BRACKETS

Style A bracket consists of 4-foot gooseneck of $\frac{3}{4}$ -inch pipe No. 21443 and grooved pole plate No. 21438 which allows inner wiring when desired. Brace arm on back of pole guides the line wires to the streethood body, where they may be fastened in holes in the rim of the porcelain housing or to cross-arm No. 20752.

Trade No.	Description	Ship. Wt., Lbs. Each	Price Each
21521	With brace arm.....	10	\$1.85
21522	Without brace arm.....	7	1.30

STYLE B BRACKETS

Similar to Style A, with a Cutter High Voltage Insulating Joint to separate gooseneck and canopy. This insulating joint allows inner wiring. When outside wires are used, they are tied in holes in the rim of the porcelain housing. When ordering streethood bodies for Style B brackets, specify three-hole canopy No. 20099.

21523	With brace arm.....	13	2.60
21524	Without brace arm.....	10	2.05

MAJESTIC BRACKETS

Made of $1\frac{1}{4}$ -inch pipe with flat iron scroll and fancy grooved pole plate. Holds the lamp 4 feet from the pole. Scroll will be made of channel iron instead of flat iron when so ordered, at \$1.00 list additional.

21525	Bracket, scroll and pole plate only.....	26	4.00
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BOULEVARD TELESCOPE BRACKETS

The $\frac{3}{4}$ -inch pipe telescopes into the $1\frac{1}{4}$ -inch pipe, allowing adjustments of 5 to 7 feet. A heavy three-hole pole plate with cross-arm and porcelain elbow makes the bracket easy to put up and wire, serving also as a protection for the wires. The knurled set screw in the pipe and the pole step in the lower corner of the scroll are for the convenience of the lineman when renewing lamps.

21526	With pony glass insulators...	33	4.70
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SPARTAN STRAIGHT ARM BRACKETS

Consists of grooved pole plate, 4-foot arm of $1\frac{1}{4}$ -inch pipe, fancy headpiece and artistic flat iron scroll. Channel iron scroll, \$1.00 list extra.

21527	With $\frac{3}{4}$ -inch nipple.....	24	3.25
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ARCADIAN BRACKETS

A substantial 3-foot fixture made of $1\frac{1}{4}$ -inch (bore) pipe with three-hole pole plate, insulators, porcelain elbow (to prevent abrasion of wires) wrought iron scroll and cast iron headpiece.

21528	With $1\frac{1}{4}$ -inch nipple.....	17	3.25
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ARCADIAN JUNIOR BRACKETS

Similar to Arcadian, with 20-inch extension and pole plate used on Spartan Straight Arm Bracket.

21529	With $1\frac{1}{4}$ -inch nipple.....	14	2.25
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IMPERIAL BRACKETS

A 4-foot arm of $1\frac{1}{4}$ -inch pipe with a quarter bend is threaded on the outer end for supporting streethood bodies with $1\frac{1}{4}$ -inch canopies. A channel iron scroll will be furnished in place of flat iron for \$1.00 list additional.

21530	With grooved pole plate.....	20	3.00
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CUTTER CENTER SUSPENSION STREETHOODS

SCHEDULE A—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER

Style D with 18-inch
Radial Bowl ReflectorStyle D with 20-inch
Radial Bowl Reflector
with ExtensionStyle DX with 18-inch
Radial Bowl Reflector
and RefractorStyle D with 18-inch
Concentric Dome Reflector
and Small Refractor

STYLE D—LOOP SUSPENSION

A simple form of suspension fixture consisting of a streethood body without cross-arm, a $\frac{3}{4} \times \frac{1}{8}$ -inch adapter and a malleable iron arc ring.

With 18-inch Radial Bowl Reflector

Trade No.	Description	Wt., Lbs. Each	Price Each
21531	Medium screw socket	14 $\frac{1}{4}$	\$5.95
21532	Mogul Screw Socket	14 $\frac{3}{4}$	6.25
21533	* Regent Film Socket	15	7.25

With 18-inch Radial Bowl and Large Refractor

21534	Medium screw socket	22 $\frac{1}{4}$	14.20
21535	Mogul Screw Socket	22 $\frac{3}{4}$	14.50
21536	* Regent Film Socket	23	15.50

With 18-inch Radial Bowl and Large Sol-Lux Diffuser

21515	Medium screw socket	18 $\frac{1}{4}$	8.70
21516	Mogul Screw Socket	18 $\frac{3}{4}$	9.00
21474	* Regent Film Socket	19	10.00

With 20-inch Radial Bowl Reflector

21540	Medium screw socket	15 $\frac{1}{2}$	6.45
21541	Mogul Screw Socket	16	6.75
21542	* Regent Film Socket	16 $\frac{1}{4}$	7.75

With 20-inch Radial Bowl, with Extension

21543	Medium screw socket	16 $\frac{1}{2}$	6.95
21544	Mogul Screw Socket	17	7.25
21545	* Regent Film Socket	17 $\frac{1}{4}$	8.25

With 24-inch Radial Bowl Reflector

21546	Medium screw socket	18 $\frac{1}{2}$	7.70
21547	Mogul Screw Socket	19	8.00
21548	* Regent Film Socket	19 $\frac{1}{4}$	9.00

With 24-inch Radial Bowl and Acorn Diffuser

21549	Medium screw socket	27 $\frac{1}{2}$	11.45
21550	Mogul Screw Socket	28	11.75
21552	* Regent Film Socket	28 $\frac{1}{4}$	12.75

With 20-inch Flat Radial Wave Reflector

21553	Medium screw socket	13	5.20
21554	Mogul Screw Socket	13 $\frac{1}{2}$	5.50
21555	* Regent Film Socket	13 $\frac{3}{4}$	6.50

With 18-inch Concentric Dome Reflector and Small Holophane Refractor

21475	Medium screw socket	17 $\frac{1}{4}$	9.20
21519	Mogul Screw Socket	17 $\frac{3}{4}$	9.50
21551	* Regent Film Socket	18	10.50

With 20-inch Concentric Dome Reflector and Large Holophane Refractor

21562	Medium screw socket	22 $\frac{1}{4}$	13.95
21563	Mogul Screw Socket	22 $\frac{3}{4}$	14.25
21564	* Regent Film Socket	23	15.25

With 20-inch Concentric Dome Reflector and Large Sol-Lux Diffuser

21477	Medium screw socket	18 $\frac{1}{4}$	8.45
21478	Mogul Screw Socket	18 $\frac{3}{4}$	8.75
21479	* Regent Film Socket	19	9.75

STYLE DX—LOOP SUSPENSION

Similar to Style D, with Simple Cross-Arm No. 20751, which fits between the canopy and the $\frac{3}{4}$ -inch adapter. In ordering, use same trade number as for Style D, but with prefix "DX." Add 25 cents to list prices and 1 $\frac{1}{2}$ pounds to shipping weights.

SUSPENSION PARTS

Trade No.	Description	Wt., Lbs. Each	Price Each
20751	Simple cross-arm	1 $\frac{1}{2}$	\$0.25
20753	$\frac{3}{4} \times \frac{1}{8}$ -inch adapter	$\frac{1}{2}$	.15
20754	Arc ring with $\frac{7}{8}$ -inch stud	$\frac{1}{4}$	.10
20755	H.V. insulator with $\frac{7}{8}$ -in. studs	2 $\frac{1}{4}$	.90

* Standard Film Socket furnished in place of Regent when so ordered.

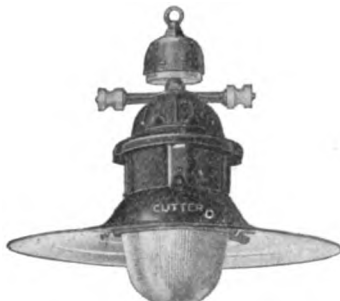
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER CENTER SUSPENSION STREETHOODS

SCHEDULE A—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER

STYLE E—INSULATED LOOP SUSPENSION

Consists of Style D, with a Cutter High Voltage Insulator between the arc ring and adapter.

Style E with 18-inch
Radial Bowl ReflectorStyle EX with 18-inch
Radial Bowl Reflector and
Simple Cross-armStyle E with 18-inch Radial
Bowl Reflector and
Sol-Lux DiffuserStyle EX with 18-inch
Concentric Dome Reflector
and Small Refractor**With 18-inch Radial Bowl Reflector**

Trade No.	Description	Wt., Lbs. Each	Price Each
21571	Medium screw socket.....	16½	\$6.85
21572	Mogul Screw Socket.....	17	7.15
21573	*Regent Film Socket.....	17¼	8.15

With 18-inch Radial Bowl and Large Refractor

21574	Medium screw socket.....	24½	15.10
21575	Mogul Screw Socket.....	25	15.40
21576	*Regent Film Socket.....	25¼	16.40

With 18-inch Radial Bowl and Sol-Lux Diffuser

21568	Medium screw socket.....	20½	9.60
21569	Mogul Screw Socket.....	21	9.90
21570	*Regent Film Socket.....	21¼	10.90

With 20-inch Radial Bowl Reflector

21580	Medium screw socket.....	17¾	7.35
21581	Mogul Screw Socket.....	18¼	7.65
21582	*Regent Film Socket.....	18½	8.65

With 20-inch Radial Bowl, with Extension

21583	Medium screw socket.....	18¾	7.85
21584	Mogul Screw Socket.....	19¼	8.15
21587	*Regent Film Socket.....	19½	9.15

With 24-inch Radial Bowl Reflector

21588	Medium screw socket.....	20¾	8.60
21589	Mogul Screw Socket.....	21¼	8.90
21590	*Regent Film Socket.....	21½	9.90

With 24-inch Radial Bowl and Acorn Diffuser

21591	Medium screw socket.....	29¾	12.35
21592	Mogul Screw Socket.....	30¼	12.65
21593	*Regent Film Socket.....	30½	13.65

With 20-inch Flat Radial Wave Reflector

21594	Medium screw socket.....	15¼	6.10
21595	Mogul Screw Socket.....	16½	6.40
21596	*Regent Film Socket.....	16¾	7.40

With 18-inch Concentric Dome Reflector and Small**Holophane Refractor**

21601	Medium screw socket.....	19½	10.10
21602	Mogul Screw Socket.....	20	10.40
21603	*Regent Film Socket.....	20¼	11.40

With 20-inch Concentric Dome Reflector and Large**Holophane Refractor**

21607	Medium screw socket.....	24½	14.85
21608	Mogul Screw Socket.....	25	15.15
21609	*Regent Film Socket.....	25¼	16.15

With 20-inch Concentric Dome Reflector and Large**Sol-Lux Diffuser**

21613	Medium screw socket.....	20¼	9.35
21614	Mogul Screw Socket.....	20¾	9.65
21615	*Regent Film Socket.....	21	10.65

STYLE EX—INSULATED LOOP SUSPENSION

Consists of Style E with simple cross-arm No. 20751. In ordering, use trade numbers for Style E fixtures with prefix "EX." Add 25 cents to list prices and 1½ pounds to shipping weights.

SUSPENSION PARTS

Trade No.	Description	Wt., Lbs. Each	Price Each
20751	Simple cross-arm.....	1½	\$0.25
20753	¾x½-inch adapter.....	½	.15
20754	Arc ring with ½-inch stud.....	¼	.10
20755	H.V. insulator with ½-in. studs.	2¼	.90

* Standard Film Socket furnished in place of Regent when so ordered.

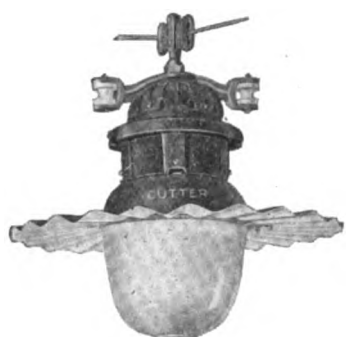
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER CENTER SUSPENSION STREETHOODS

SCHEDULE A—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER



Style F with 18-inch Radial Bowl Reflector



Style FX with 18-inch Radial Bowl Reflector and Large Refractor



Style F with 24-inch Radial Bowl Reflector and Acorn Diffuser



Style FX with 20-inch Concentric Dome Reflector and Large Refractor

STYLE F—CABLE GRIP SUSPENSION

Consists of a streethood body with $\frac{3}{4}$ -inch adapter and cable clamp. This clamp permits the cable to enter at one point on one side and at a higher or lower point on the other side so the fixture can be made level irrespective of the varying heights of cable attachments.

With this style of fixture, no cross-arm is used. The line wires are looped into holes in the rim of the porcelain and tied securely in place.

With 18-inch Radial Bowl Reflector			
Trade No.	Description	Wt., Lbs. Each	Price Each
21843	Medium screw socket.....	16 $\frac{1}{4}$	\$6.35
21844	Mogul Screw Socket.....	16 $\frac{3}{4}$	6.65
21845	*Regent Film Socket.....	17	7.65
With 18-inch Radial Bowl and Large Refractor			
21846	Medium screw socket.....	24 $\frac{1}{4}$	14.60
21847	Mogul Screw Socket.....	24 $\frac{3}{4}$	14.90
21848	*Regent Film Socket.....	25	15.90
With 18-inch Radial Bowl and Sol-Lux Diffuser			
21616	Medium screw socket.....	20 $\frac{1}{4}$	9.10
21617	Mogul Screw Socket.....	20 $\frac{3}{4}$	9.40
21618	*Regent Film Socket.....	21	10.40
With 20-inch Radial Bowl Reflector			
21852	Medium screw socket.....	17 $\frac{1}{2}$	6.85
21853	Mogul Screw Socket.....	17 $\frac{3}{4}$	7.15
21854	*Regent Film Socket.....	18	8.15
With 20-inch Radial Bowl with Extension			
21855	Medium screw socket.....	18 $\frac{1}{2}$	7.35
21856	Mogul Screw Socket.....	19	7.65
21857	*Regent Film Socket.....	19 $\frac{1}{4}$	8.65
With 24-inch Radial Bowl Reflector			
21858	Medium screw socket.....	20 $\frac{1}{2}$	8.10
21859	Mogul Screw Socket.....	21	8.40
21862	*Regent Film Socket.....	21 $\frac{1}{4}$	9.40
With 24-inch Radial Bowl and Acorn Diffuser			
21863	Medium screw socket.....	29 $\frac{1}{2}$	11.85
21864	Mogul Screw Socket.....	30	12.15
21865	*Regent Film Socket.....	30 $\frac{1}{4}$	13.15
With 20-inch Flat Radial Wave Reflector			
21866	Medium screw socket.....	15	5.60
21867	Mogul Screw Socket.....	15 $\frac{1}{2}$	5.90
21868	*Regent Film Socket.....	15 $\frac{3}{4}$	6.90
With 18-inch Concentric Dome Reflector and Small Holophane Refractor			
21619	Medium screw socket.....	19 $\frac{1}{4}$	9.60
21620	Mogul Screw Socket.....	19 $\frac{3}{4}$	9.90
21621	*Regent Film Socket.....	20	10.90
With 20-inch Concentric Dome Reflector and Large Holophane Refractor			
21622	Medium screw socket.....	24 $\frac{1}{4}$	14.35
21623	Mogul Screw Socket.....	24 $\frac{3}{4}$	14.65
21624	*Regent Film Socket.....	25	15.65
With 20-inch Concentric Dome Reflector and Large Sol-Lux Diffuser			
21763	Medium screw socket.....	20 $\frac{1}{4}$	8.85
21764	Mogul Screw Socket.....	20 $\frac{3}{4}$	9.15
21765	*Regent Film Socket.....	21	10.15

STYLE FX—CABLE GRIP SUSPENSION

Consists of Style F with a cable cross-arm No. 20756. In ordering use trade numbers of Style F fixtures with prefix "FX." Add 40 cents to list and 2 pounds to shipping weights.

SUSPENSION PARTS

20756	Cable cross-arm.....	2	.40
20757	Cable grip clamp.....	2 $\frac{1}{4}$	.50
*Standard Film Socket furnished in place of Regent when so ordered.			

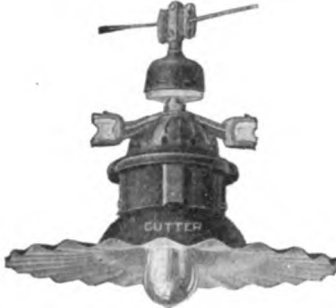
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER CENTER SUSPENSION STREETHOODS

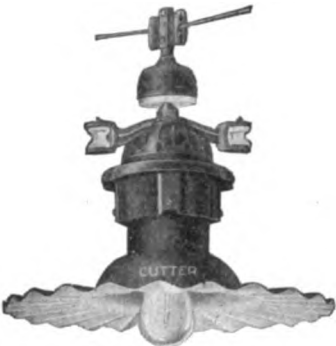
SCHEDULE A—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER

STYLE G—INSULATED CABLE GRIP SUSPENSION

Similar to Style F, with a Cutter High Voltage Insulator between the adapter and cable clamp.



Style GX with 18-inch Radial Bowl Reflector



Style GX with 20-inch Radial Bowl Reflector with Extension



Style GX with 20-inch Flat Radial Wave Reflector



Style GX with 20-inch Concentric Dome Reflector and Large Refractor

With 18-inch Radial Bowl Reflector

Trade No.	Description	Wt., Lbs. Each	Price Each
21884	Medium screw socket.....	18½	\$7.25
21885	Mogul Screw Socket.....	19	7.55
21886	*Regent Film Socket.....	19¼	8.55

With 18-inch Radial Bowl Reflector and Large Holophane Refractor

21887	Medium screw socket.....	26½	15.50
21888	Mogul Screw Socket.....	27	15.80
21889	*Regent Film Socket.....	27¼	16.80

With 18-inch Radial Bowl and Sol-Lux Diffuser

21770	Medium screw socket.....	22½	10.00
21771	Mogul Screw Socket.....	23	10.30
21772	*Regent Film Socket.....	23¼	11.30

With 20-inch Radial Bowl Reflector

21893	Medium screw socket.....	19¾	7.75
21894	Mogul Screw Socket.....	20¼	8.05
21895	*Regent Film Socket.....	20½	9.05

With 20-inch Radial Bowl, with Extension

21896	Medium screw socket.....	20¾	8.25
21897	Mogul Screw Socket.....	21¼	8.55
21898	*Regent Film Socket.....	21½	9.55

With 24-inch Radial Bowl Reflector

21899	Medium screw socket.....	22¾	9.00
21900	Mogul Screw Socket.....	23¼	9.30
21901	*Regent Film Socket.....	23½	10.30

With 24-inch Radial Bowl and Acorn Diffuser

21902	Medium screw socket.....	31¾	12.75
21903	Mogul Screw Socket.....	32¼	13.05
21904	*Regent Film Socket.....	32½	14.05

With 20-inch Radial Wave Reflector

21905	Medium screw socket.....	17¼	6.50
21906	Mogul Screw Socket.....	17¾	6.80
21907	*Regent Film Socket.....	18	7.80

With 18-inch Concentric Dome Reflector and Small Holophane Refractor

21773	Medium screw socket.....	21½	10.50
21774	Mogul Screw Socket.....	22	10.80
21775	*Regent Film Socket.....	22¼	11.80

With 20-inch Concentric Dome Reflector and Large Holophane Refractor

21776	Medium screw socket.....	26½	15.25
21777	Mogul Screw Socket.....	27	15.55
21778	*Regent Film Socket.....	27¼	16.55

With 20-inch Concentric Dome Reflector and Sol-Lux Diffuser

21779	Medium screw socket.....	22½	9.75
21780	Mogul Screw Socket.....	23	10.05
21781	*Regent Film Socket.....	23¼	11.05

STYLE GX—INSULATED CABLE GRIP SUSPENSION

Same as Style G, with a cable cross-arm No. 20756. In ordering, use trade numbers of Style G fixtures with prefix "GX." Add 40 cents to list prices and 2 pounds to shipping weights.

SUSPENSION PARTS

Trade No.	Description	Wt., Lbs. Each	Price Each
20756	Cable cross-arm.....	2	\$0.40
20757	Cable grip clamp.....	2¼	.50

* Standard Film Socket furnished in place of Regent when so ordered.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LINE MATERIAL CO. INCANDESCENT STREET FIXTURES

The 4000 Type Street Fixture is made for either bracket mounting or center suspension. Has a removable cross arm for both styles with either rigid or hang level feature. The top casing is of iron with overhang rim which acts as a water shed and affords the necessary ventilation for high power enclosed lamps. The porcelain body is large and will accommodate any make of socket. It can be equipped with anything from the small multiple base to the series receptacle; in the latter case, it has double screw terminals.

Porcelain enameled 20-inch bowl-shaped reflector. Radial wave 20-inch reflector furnished, if specified.

The bug screen is of galvanized iron with pierced metal windows, allowing ample ventilation, when needed, at the base of the lamp.

The attachment for refractor or globe is simple but durable. There are no springs to weaken or screw fastenings to rust in service.

For cleaning, the refractor can be removed with one hand. The entire fixture is flexible, can be used for any size lamp from 60 watts to 600 c.p., and the parts are all interchangeable with the 9000 Type which will accommodate lamps and compensators up to 1000 c.p., 20 amperes.

SPAN SUSPENSION TYPE

With Bowl Reflector and Refractor

Kind of Socket	For 60, 80, 100 c.p. 300 Watts and Under			For 250 to 600 c.p. 400 Watts and Larger		
	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
Medium screw...	133669	4400	\$6.20	133693	4404	\$7.60
Mogul screw...	133670	4401	6.80	133694	4405	8.20
Standard series.	133671	4403	7.20	133695	4407	8.60

With Bowl Reflector and White Globe

Medium screw...	133672	4420	5.00	133396	4424	5.50
Mogul screw...	133673	4421	5.60	133397	4425	6.10
Standard series.	133674	4423	6.00	133698	4427	6.50

With Bowl Reflector

Medium screw...	133675	4480	3.20	133699	4484	3.45
Mogul screw...	133676	4481	3.80	133700	4485	4.05
Standard series.	133677	4482	4.20	133701	4486	4.45

With Radial Wave Reflector

Medium screw...	133678	4488	3.20	133702	4492	3.45
Mogul screw...	133679	4489	3.80	133703	4493	4.05
Standard series.	133680	4491	4.20	133704	4495	4.45

CENTER SUSPENSION TYPE

With Bowl Reflector and Refractor

Medium screw...	133681	4410	6.20	133705	4414	7.60
Mogul screw...	133682	4411	6.80	133706	4415	8.20
Standard series.	133683	4413	7.20	133707	4417	8.60

With Bowl Reflector and White Globe

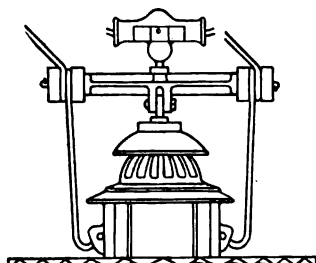
Medium screw...	133684	4430	5.00	133708	4434	5.50
Mogul screw...	133685	4431	5.60	133709	4435	6.10
Standard series.	133686	4433	6.00	133710	4437	6.50

With Bowl Reflector

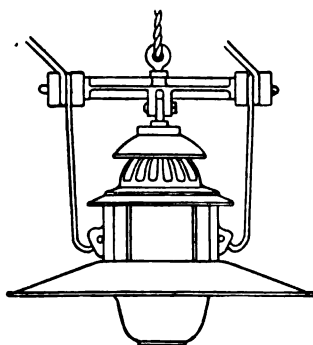
Medium screw...	133687	4496	3.20	133711	4500	3.45
Mogul screw...	133688	4497	3.80	133712	4501	4.05
Standard series.	133689	4499	4.20	133713	4503	4.45

With Radial Wave Reflector

Medium screw...	133690	4504	3.20	133714	4508	3.45
Mogul screw...	133691	4505	3.80	133715	4509	4.05
Standard series.	133692	4507	4.20	133716	4511	4.45



Span Suspension Radial Reflector



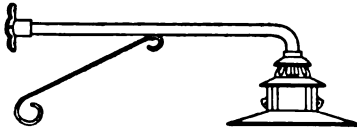
Center Suspension Bowl Reflector and Refractor

The cross arm can be omitted and these fixtures suspended from the ring in the top of iron casting. If cross arm is not required, deduct 30 cents from above prices. In ordering, designate the omission of cross arm by the letter X after the trade number.

Any of these fixtures can be made with a high voltage insulator immediately above the cross arm, if so specified. Additional price, 50 cents each. In ordering, designate by the letter K after the trade number.

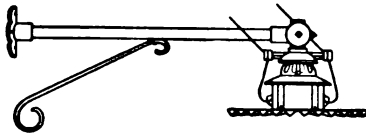
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LINE MATERIAL CO. INCANDESCENT STREET FIXTURES

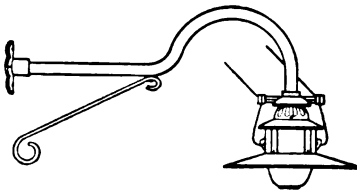


Straight Bend Bracket and Bowl Reflector

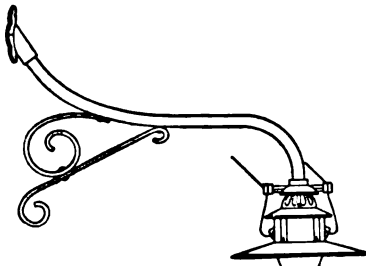
NOTE.—This illustration shows cross arm for feed wires omitted. All fixtures will be furnished this way, if specified.



Right Angle Joint Bracket and Radial Wave Reflector



Gooseneck Bracket, Bowl Reflector and Refractor



Ornamental Scroll Bracket, Bowl Reflector and White Globe

Straight Bend Brackets and Bowl Reflector

Kind of Socket	For 60, 80, 100 C. P. 300 Watts and Under			For 250 to 600 C. P. 400 Watts and Larger		
	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
Medium screw	133727	4001	\$3.80	133773	4005	\$3.95
Mogul screw	133728	4002	4.40	133774	4006	4.65
Standard series	133729	4004	4.80	133775	4008	5.05

Straight Bend Brackets and Radial Wave Reflector

Medium screw	133730	4050	3.80	133776	4054	3.95
Mogul screw	133731	4051	4.40	133777	4055	4.65
Standard series	133732	4053	4.80	133778	4057	5.05

Straight Bend Brackets, Bowl Reflector and Refractor

Medium screw	133733	4300	6.00	133779	4304	7.60
Mogul screw	133734	4301	6.60	133780	4305	8.20
Standard series	133735	4303	7.00	133781	4307	8.60

Straight Bend Brackets, Bowl Reflector and White Globe

Medium screw	133736	4600	5.30	133782	4604	5.45
Mogul screw	133737	4601	5.90	133783	4605	6.15
Standard series	133738	4603	6.30	133784	4607	6.55

Right Angle Joint Brackets and Bowl Reflector

Medium screw	133739	4010	3.90	133785	4014	4.05
Mogul screw	133740	4011	4.50	133786	4015	4.75
Standard series	133741	4013	4.90	133787	4017	5.15

Right Angle Joint Brackets and Radial Wave Reflector

Medium screw	133742	4060	3.90	133788	4064	4.05
Mogul screw	133743	4061	4.50	133789	4065	4.75
Standard series	133744	4063	4.90	133790	4067	5.15

Right Angle Joint Brackets, Bowl Reflector and Refractor

Medium screw	133745	4310	6.10	133791	4314	7.70
Mogul screw	133746	4311	6.70	133792	4315	8.30
Standard series	133747	4313	7.10	133793	4317	8.70

Right Angle Joint Brackets, Bowl Reflector and White Globe

Medium screw	133748	4610	5.40	133794	4614	5.55
Mogul screw	133749	4611	6.00	133796	4615	6.25
Standard series	133750	4613	6.40	133799	4617	6.65

Gooseneck Brackets and Bowl Reflector

Medium screw	133751	4020	3.80	133798	4024	3.95
Mogul screw	133752	4021	4.40	133799	4025	4.65
Standard series	133753	4023	4.80	133800	4027	5.05

Gooseneck Brackets and Radial Wave Reflector

Medium screw	133754	4070	3.80	133801	4074	3.95
Mogul screw	133755	4071	4.40	133802	4075	4.65
Standard series	133756	4073	4.80	133803	4077	5.05

Gooseneck Brackets, Bowl Reflector and Refractor

Medium screw	133757	4320	6.00	133804	4324	7.60
Mogul screw	133758	4321	6.60	133806	4325	8.20
Standard series	133759	4323	7.00	133807	4327	8.60

Gooseneck Brackets, Bowl Reflector and White Globe

Medium screw	133760	4620	5.30	133808	4624	5.45
Mogul screw	133761	4621	5.90	133809	4625	6.15
Standard series	133762	4623	6.30	133810	4627	6.55

Ornamental Scroll Brackets and Bowl Reflector

Medium screw	133763	4040	4.10	133811	4044	4.25
Mogul screw	133764	4041	4.70	133812	4045	4.95
Standard series	133765	4042	5.10	133813	4047	5.35

Ornamental Scroll Brackets and Radial Wave Reflector

Medium screw	133766	4090	4.10	133814	4094	4.25
Mogul screw	133767	4091	4.70	133815	4095	4.95
Standard series	133768	4093	5.10	133816	4097	5.35

Ornamental Scroll Brackets, Bowl Reflector and Refractor

Medium screw	133769	4340	6.40	133817	4344	8.00
Mogul screw	133770	4341	7.00	133818	4345	8.60
Standard series	133771	4343	7.40	133819	4347	9.00

Ornamental Scroll Brackets, Bowl Reflector and White Globe

Medium screw	133772	4640	5.60	133820	4644	5.75
Mogul screw	133824	4641	6.20	133821	4645	6.45
Standard series	133823	4643	6.60	133822	4647	6.85

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

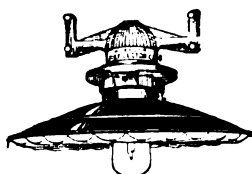
WHEELER SERIES MAZDA STREET FIXTURES

SCHEDULE F

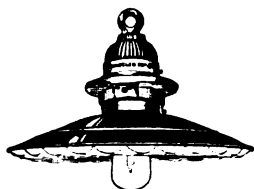
FOR HIGH EFFICIENCY MAZDA LAMPS



No. 3000



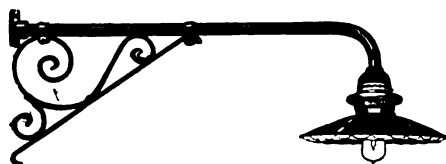
No. 3068



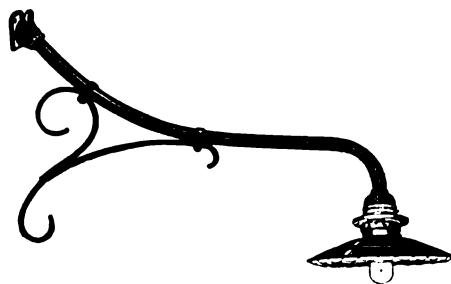
No. 3009



No. 3002



No. 3007



No. 3004

WITH PORCELAIN RECEPTACLE HEAD
AND HOODED REFLECTOR

The fixtures listed below consist of fluted porcelain enameled steel reflector; steel hood heavily galvanized after forming and japanned; high tension porcelain receptacle head for inner or outside wiring; cast crown tapped for brackets of $\frac{3}{4}$ -inch or $1\frac{1}{4}$ -inch iron pipe, or with lugs for center span suspension; cast skirt with brass set screws to support the hooded reflector.

For 60, 80 and 100 candle power lamps, use 18-inch reflectors.

For 250 and 400 candle power lamps, use 20-inch reflectors.

WITHOUT BRACKETS OR SUSPENSIONS

Crown Tapped for $\frac{3}{4}$ -inch Pipe

Trade No.	Mfrs. No.	With Reflector Size, Inches	Price Each
91343	3000	18	\$4.75
91344	3010	20	5.50

Crown Tapped for $1\frac{1}{4}$ -inch Pipe

91345	3001	18	4.75
91346	3011	20	5.50

WITH CENTER SPAN SUSPENSION Z

91363	3068	18	5.10
91364	3078	20	5.85

WITH LOOP SUSPENSION

91349	3009	18	4.75
91350	3019	20	5.50

WITH STYLE D GOOSENECK BRACKET

4 Feet x $\frac{3}{4}$ Inch, and Three-hole Flange

91351	3002	18	5.55
91352	3012	20	6.30

WITH STYLE B BRACKET

4 Ft. x $\frac{3}{4}$ In., with Wrought Iron Scroll (Like Style G)

91353	3003	18	6.65
91354	3013	20	7.40

WITH STYLE H BRACKET

4 Ft. x 1 In., with Wrought Iron Scroll (Like Style G)

91355	3006	18	6.50
91356	3016	20	7.25

WITH STYLE G BRACKET

4 Feet x $1\frac{1}{4}$ Inches, with Wrought Iron Scroll

91357	3007	18	7.25
91358	3017	20	8.00

WITH STYLE C BRACKET

4 Feet x $1\frac{1}{4}$ Inches, with Wrought Iron Scroll

91359	3004	18	7.55
91360	3014	20	8.30

WITH STYLE F BRACKET

2 Feet x $1\frac{1}{4}$ Inches, with Wrought Iron Scroll

91361	3005	18	8.20
91362	3015	20	8.95

Furnished with copper hoods to order.

Above fixtures are designed for series lighting with sockets No. 25711 only, as receptacles form part of the porcelain receptacle head.

Prices do not include sockets.

Brackets and suspensions are listed on a preceding page.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER INVERTED CONE STREETHOOD BODIES

SCHEDULE A—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER

Inverted Cone Streethood Bodies are made in two sizes with 18 and 22-inch hoods, respectively. The same reflector is used with both. The reflector shape, which resembles the frustum of an inverted cone, is designed to throw the reflected rays out at a distance where they are needed to help the direct rays of the lamp. The hood overlaps the reflector so that most of the light passing above the horizontal is redirected into useful planes. Distribution curves show that the 18-inch size gives splendid results with 60, 80 and 100 candle power series lamps and small multiple lamps. The 22-inch size gives higher efficiency with the same lamps and is always recommended for 100 and 250 candle power series lamps.

Bodies listed below are for use with brackets illustrated on pages next following. An Inverted Cone Body consists of a hood top, reflector, hood fork with $\frac{3}{4}$ -inch rigid male nipple and with or without socket, according to list. Hood flanges for $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe are extra.

The hoods and reflectors are made of special deep drawing steel and finished in either high grade weather-resisting baked paint enamel or porcelain enamel.

The hood fork has a flange near the top which fits directly beneath the upper portion of the hood. The $\frac{3}{4}$ -inch nipple is made a rigid part of the flange, projecting above it for connection to the cross-arm of outer-wired brackets or to the hood flange which is screwed on the outer end of inner-wired brackets. Prices of hood flanges listed under extra parts below.

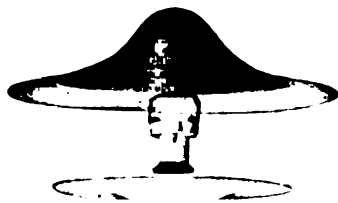
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



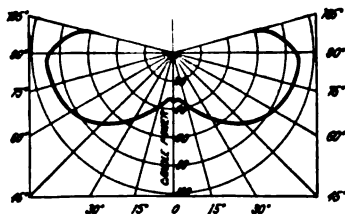
18-inch Inverted Cone
Streethood Body



22-inch Inverted Cone
Streethood Body



22-inch Hood, Reflector and
Regent Film Socket with
Hood Fork and $\frac{3}{4}$ -inch
Rigid Nipple



Distribution Curve for 80 C. P.
Lamp and 18-inch Inverted
Cone Streethood Body

CUTTER INVERTED CONE STREETHOOD BODIES

With 18-inch Hood—Paint Enamel Finish

Trade No.	Description	Wt., Lbs. Each	Price Each
21682	Medium screw socket	5 $\frac{1}{2}$	\$1.90
21683	Mogul Screw Socket	5 $\frac{3}{4}$	2.20
21684	*Regent Film Socket	6	3.20
21685	Without socket	4 $\frac{3}{4}$	1.40

With 18-inch Hood—Porcelain Enamel Finish

21686	Medium screw socket	6 $\frac{3}{4}$	3.40
21687	Mogul Screw Socket	7	3.70
21688	*Regent Film Socket	7 $\frac{1}{4}$	4.70
21689	Without socket	6 $\frac{1}{2}$	2.90

With 22-inch Hood—Paint Enamel Finish

21690	Medium screw socket	7 $\frac{3}{4}$	2.50
21691	Mogul Screw Socket	8	2.80
21692	*Regent Film Socket	8 $\frac{1}{4}$	3.80
21693	Without socket	7	2.00

With 22-inch Hood—Porcelain Enamel Finish

21694	Medium screw socket	9 $\frac{3}{4}$	4.20
21695	Mogul Screw Socket	10	4.50
21696	*Regent Film Socket	10 $\frac{1}{4}$	5.50
21697	Without socket	9	3.70

EXTRA PARTS AND SPECIAL FINISHES

21517	Hood flange for $\frac{1}{2}$ -in. pipe, $\frac{3}{4}$ -in. nipple	$\frac{1}{2}$	.15
21518	Hood flange for $\frac{3}{4}$ -in. pipe, $\frac{3}{4}$ -in. nipple	$\frac{1}{2}$	.15
21698	18-inch hood, paint enameled	2 $\frac{5}{8}$	.60
21699	18-inch hood, porcelain enameled	3	1.50
21705	18-inch hood, galvanized and painted	2 $\frac{5}{8}$	1.00
21706	18-inch hood, copper	3	3.00
21707	22-inch hood, paint enameled	4 $\frac{3}{4}$	1.20
21708	22-inch hood, porcelain enameled	6 $\frac{1}{4}$	2.30
21709	22-inch hood, galvanized and painted	4 $\frac{3}{4}$	1.65
21710	Reflector, paint enameled	2 $\frac{1}{8}$	.60
21711	Reflector, porcelain enameled	2 $\frac{1}{8}$	1.20
21712	Reflector, nickel copper	2 $\frac{5}{8}$	3.50
21713	Hood fork, $\frac{3}{4}$ -inch rigid nipple	$\frac{1}{4}$	.20

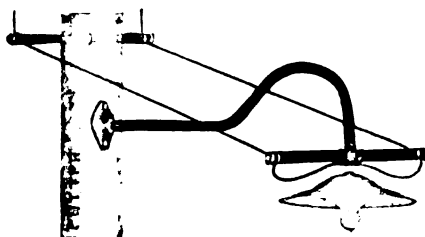
*Regent Film Socket described on another page.
Standard Film Sockets will be furnished when so ordered.

CUTTER INCANDESCENT BRACKETS

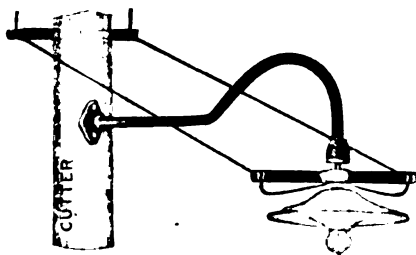
FOR STREETHOOD BODIES

SCHEDULE A—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER

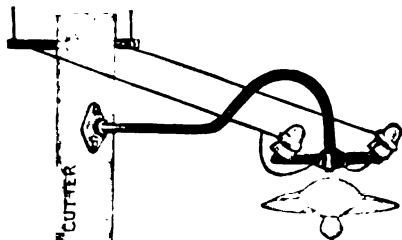
Brackets listed on this page are designed for use with Inverted Cone Streethood Bodies shown on preceding page. Prices include cross-arms which are threaded underneath for $\frac{3}{4}$ -inch nipple. Hood forks furnished with sockets for 18 and 22-inch Inverted Cone Streethood Bodies have rigid $\frac{3}{4}$ -inch nipples. The flanged portion of the hood fork fits the lower surface of the hood top, clamping it securely to the cross-arm. Prices do not include hoods, reflectors or sockets. Order Inverted Cone Streethood Bodies separately as listed on preceding page.



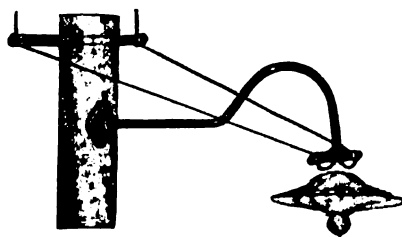
Standard Bracket



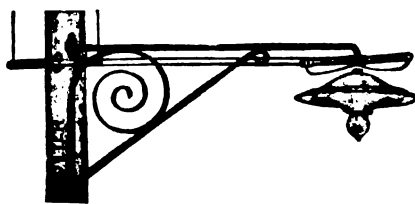
High Voltage Bracket



Iron Arm Bracket



Urban Bracket



Boulevard Bracket

STANDARD BRACKETS

Has a 3-foot gooseneck of $\frac{1}{2}$ -inch pipe, pole plate and enameled wood cross-arm with metal bound ends (to prevent splitting) and with wire-able waste nut fastened to the arm. The brace arm shown on the back of the pole is used to guide the line wires to the cross-arm. This method of wiring holds the fixture steady in stormy weather.

Trade No.	Description	Wt., Lbs. Each	Price Each
21923	With brace arm.....	10	\$1.75
21924	Without brace arm.....	7	1.20

RAILWAY BRACKETS

Similar to the Standard Bracket, with a clamp for iron pipe in place of the pole plate. Prices below do not include brace arm.

21925	For 2 $\frac{1}{2}$ -inch (bore) pipe....	8	1.35
21926	For 3-inch (bore) pipe.....	9	1.45
21927	For 4-inch (bore) pipe.....	10	1.65
21928	For 5-inch (bore) pipe.....	11	1.85

HIGH VOLTAGE BRACKETS

Consists of the Standard Bracket with a Cutter High Voltage Insulator between the gooseneck and cross-arm. This prevents grounds and leakage of current on high potential circuits. Prices below do not include streethood bodies.

21929	With brace arm.....	12 $\frac{1}{2}$	2.65
21930	Without brace arm.....	9 $\frac{1}{2}$	2.10

IRON ARM BRACKETS

Similar to the Standard Bracket, with an iron cross-arm supporting glass insulators. Prices do not include streethood bodies.

21931	With brace arm.....	13	2.05
21932	Without brace arm.....	10	1.50

EASTERN BRACKETS

Consists of the Iron Arm Bracket with a Cutter High Voltage Insulator between the gooseneck and iron cross-arm. Prices do not include streethood bodies.

21933	With brace arm.....	16	2.95
21934	Without brace arm.....	13	2.40

URBAN BRACKETS

The spreader on the end of the gooseneck has a fiber insulator to separate it from the streethood proper, thus reducing the risk of leakage on circuits up to 600 volts. Furnished with 3-foot gooseneck of $\frac{1}{2}$ -inch pipe. Prices do not include streethood bodies.

21935	With brace arm.....	11	2.25
21936	Without brace arm.....	8	1.70

BOULEVARD BRACKETS

Furnished with pole plate, cross-arm, and 5-foot gooseneck of $\frac{1}{2}$ -inch pipe ornamented with wrought iron scrolls. Prices do not include streethood bodies.

21937	With brace arm.....	17	3.05
21938	Without brace arm.....	14	2.50

AVENUE BRACKETS

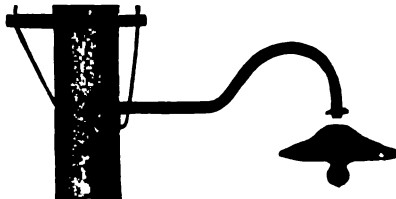
Same as the Boulevard Bracket, with a Cutter High Voltage Insulating Joint between the gooseneck and cross-arm. Prices do not include streethood bodies.

21939	With brace arm.....	20	3.95
21940	Without brace arm.....	17	3.40

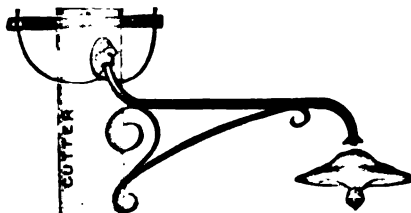
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER INCANDESCENT BRACKETS**FOR STREETHOOD BODIES****SCHEDULE A—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER**

Brackets listed on this page are designed for inner-wired fixtures using Inverted Cone Street-hood Bodies described and listed on a preceding page. The outer end of the gooseneck is fitted with a hood flange tapped for the $\frac{3}{4}$ -inch hood fork nipple. Prices of brackets do not include hoods, reflectors, sockets or hood forks.



Inner-Wired Bracket



Majestic Junior Bracket



Spartan Junior Bracket



Wall Bracket



Corinthian Bracket



Entrance Bracket

INNER-WIRED BRACKETS

Consists of a 3-foot gooseneck of $\frac{1}{2}$ -inch pipe, $\frac{1}{2}$ -inch by $\frac{3}{4}$ -inch hood flange, and grooved pole plate.

Trade No.	Description	Wt., Lbs. Each	Price Each
21941	With brace arm.....	8 $\frac{1}{2}$	\$1.50
21942	Without brace arm.....	5 $\frac{1}{2}$	.95

MAJESTIC JUNIOR BRACKETS

A highly artistic fixture built on the same lines as Majestic Bracket (Trade No. 21525) but smaller, having a reach of 3 feet from pole to lamp and with the arm made of $\frac{1}{2}$ -inch pipe. Designed for either inner or outer wiring.*

21943	With hood flange.....	15 $\frac{1}{4}$	2.75
21944*	Without hood flange...	15	2.60

SPARTAN JUNIOR BRACKETS

A single bend bracket of $\frac{1}{2}$ -inch pipe which holds the lamp 3 feet from the pole. Designed for either inner or outer wiring.*

21945	With hood flange.....	13 $\frac{1}{4}$	2.45
21946*	Without hood flange...	12	2.30

WALL BRACKETS

Has a 4-foot gooseneck of $\frac{1}{2}$ -inch pipe so the pipe can extend 1 foot inside the flange and hold the lamp 3 feet from the wall. Furnished with wall flange and $\frac{1}{2}$ -inch by $\frac{3}{4}$ -inch hood flange.

21947	6 $\frac{1}{4}$	1.10
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CORINTHIAN BRACKETS

A 3-foot bracket of $\frac{3}{4}$ -inch pipe with heavy wall plate and wrought iron trimmings. The head-piece is threaded for $\frac{3}{4}$ -inch nipple and has a flange to fit the top of the streethood body.

21948	19 $\frac{1}{2}$	3.35
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ENTRANCE BRACKETS

Has a 4-foot gooseneck of $\frac{3}{4}$ -inch pipe and a wall flange with set screw, which allows the pipe to extend 1 foot inside the flange and 3 feet outside. Furnished with cast iron scroll and hood flange to fit streethood bodies. This bracket may be used with all Cutter Streethood Bodies having fittings for $\frac{3}{4}$ -inch pipe. Furnished with hood flange or plain threaded end for Radial Streethood Bodies with $\frac{3}{4}$ -inch canopies.

21949	With hood flange.....	25	3.70
21950	Without hood flange...	23 $\frac{1}{2}$	3.55

CAST SCROLL BRACKETS

Similar to the Entrance Bracket, but with a 4-foot gooseneck of $\frac{3}{4}$ -inch pipe (Style B, Trade No. 21443) and with a grooved wall plate to replace the wall flange and inside pipe. This allows the wires to be brought out of the building at any desired point and guided along the wall to the place where the fixture is located. Furnished with hood flange for Inverted Cone Streethood Bodies or with plain threaded end for $\frac{3}{4}$ -inch streethood canopies.

21987	With hood flange.....	24	3.45
21988	Without hood flange...	22 $\frac{1}{2}$	3.30

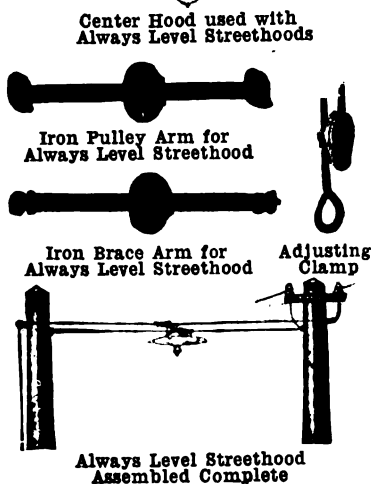
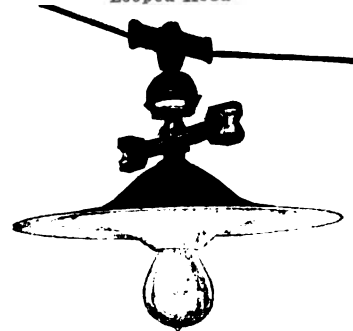
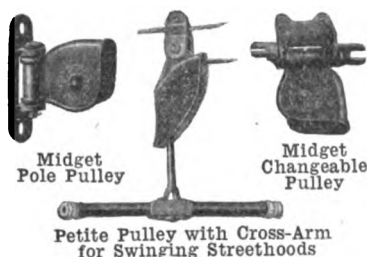
*Majestic and Spartan Junior Brackets will be furnished with grooved pole plates unless otherwise specified. For outer-wired fixtures, order Standard Cross-Arm No. 21496 or Iron Cross-Arm No. 21497 in place of hood flange. For outer-wired brackets on series circuits, order $\frac{1}{2}$ -inch Hood Insulator No. 21494 to separate gooseneck from cross-arm.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER CENTER SUSPENSION STREETHOODS

WITH INVERTED CONE STREETHOOD BODIES

SCHEDULE A—STANDARD PACKAGE QUANTITY, 20 OF ONE STYLE OR TRADE NUMBER



SWINGING STREETHOODS

Consists of a Cutter Inverted Cone Streethood Body supported by a Petite Lamp-Supporting Pulley. A Midget Pole Pulley guides the hoisting rope to the bottom of the pole. The Midget Changeable Pulley may be used either as a pole pulley or clamped to cable near the pole. Order pulleys and Inverted Cone Streethood Bodies separately.

Trade No.	Description	Std. Wt., Lbs.	Price Pkg.† Each
20413	Petite Pulley with cross-arm..	50	6½ \$1.50
20414	Midget Pole Pulley.....	100	2¼ .60
20415	Midget Changeable Pulley...	100	2½ .70

LOOPED HOODS

Consists of an Inverted Cone Streethood Body with Looped Cross-Arm.

With 18-inch Hood, Paint Enameled			With 18-inch Hood, Porcelain Enameled			With 22-inch Hood, Porcelain Enameled		
Trade No.	Wt., Lbs.	Price Each	Trade No.	Wt., Lbs.	Price Each	Trade No.	Wt., Lbs.	Price Each
21951	8½	\$2.40	21952	8¾	\$2.70	21953	9	\$3.70
21954	9¾	3.90	21955	10	4.20	21956	10¼	5.20
21957	10¾	3.00	21958	11	3.30	21959	11¼	4.30
21960	12¾	4.70	21961	13	5.00	21962	13¼	6.00

CABLE GRIP SUSPENSION STREETHOODS

A center span fixture with a cross-arm, insulator and cable clamp supporting Inverted Cone Streethood Bodies.

With 18-inch Hood, Paint Enameled			With 18-inch Hood, Porcelain Enameled			With 22-inch Hood, Porcelain Enameled		
Trade No.	Wt., Lbs.	Price Each	Trade No.	Wt., Lbs.	Price Each	Trade No.	Wt., Lbs.	Price Each
21963	14	4.00	21964	14¼	4.30	21965	14½	5.30
21966	15¼	5.50	21967	15½	5.80	21968	15¾	6.80
21969	16¼	4.60	21970	16½	4.90	21971	17	5.90
21972	18¼	6.30	21973	18½	6.60	21974	19	7.60

ALWAYS LEVEL STREETHOODS

The two wires leading from the brace arm to the hood make up one side of the suspension, while cords passing over covered pulleys form the other side. Adjusting clamps at the end of each cord are independently drawn up taut and locked together. These parts, together with the Center Hoods listed below, constitute Always Level Streethoods. Prices do not include rope, lamps or wires.

EXTRA PARTS FOR ALWAYS LEVEL STREETHOODS

Trade No.	Description	Std. Wt., Lbs.	Price Pkg. Each
20399	Iron pulley arm.....	75	6 \$1.40
20400	Iron brace arm.....	75	6 1.20
20401	Adjusting clamp.....	200	½ .30

CENTER HOODS

The center part only of the Cutter Always Level Streethood described above. It consists of a spreader tip cross-arm and an Inverted Cone Streethood Body.

With 18-inch Hood, Paint Enameled			With 18-inch Hood, Porcelain Enameled			With 22-inch Hood, Porcelain Enameled		
Trade No.	Wt., Lbs.	Price Each	Trade No.	Wt., Lbs.	Price Each	Trade No.	Wt., Lbs.	Price Each
21975	11	\$2.80	21976	11¼	\$3.10	21977	11½	\$4.10
21978	12¼	4.30	21979	12½	4.60	21980	13	5.60
21981	13½	3.40	21982	13¾	3.70	21983	14	4.70
21984	16½	5.10	21985	16¾	5.40	21986	17	6.40

†Extra parts ordered to make complete fixtures, take same discounts as complete fixtures.

*Standard Film Sockets furnished in place of Regent when so ordered.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER REGENT FILM SOCKETS

THE SAFETY VALVE FOR STREET SERIES SYSTEMS

SCHEDULE A

THE FILM SOCKET IS THE VITAL PART OF THE REGULATING MECHANISM OF A SERIES LIGHTING SYSTEM, AND IT MUST CONSTANTLY PERFORM ITS FUNCTION RELIABLY AND ACCURATELY. When one lamp in a circuit burns out, the dielectric film must puncture, allowing the circuit to re-establish itself instantly. Otherwise, the remaining lamps in the circuit will cease to burn. The constant current transformer regulates the voltage to compensate for burned-out lamps, but as each lamp burns out there is a momentary rise of potential across the terminals of that lamp. If the dielectric strength of the film be too great, the rise of voltage may not be sufficient to puncture the film at all, or until such time as will permit ill effects to be produced along the line and in auxiliary apparatus. On the other hand, if the film is weak, it may break down before the useful life of the lamp is secured. THE FILM SOCKET IS THE SAFETY VALVE AND MUCH DEPENDS UPON ITS RELIABILITY.

The film cut-out used in the Regent Film Socket punctures uniformly and accurately at rated voltage. It is enclosed in the socket and protected against climatic conditions. It cannot creep or fall out as a result of the vibration of the fixture and lamp in service.

The film holder is so designed that it is impossible to use any substitute in place of the regular film. Wood splinters, paper, etc., cannot be used. Films are easily renewed.

On account of wind action and changing climatic conditions, the spring clips commonly used to support the socket and lamp deteriorate and allow the lamp to fall out—there are no spring clips used in the Regent Socket.

The two screw shells and the center post form a combination that grips the lamp base and holds it securely in position, greatly reducing lamp breakage during inclement weather.

WHEN RENEWING LAMPS, THE FILM IS PLACED IN THE FILM HOLDER. THE LOWER SOCKET SHELL IS THEN SCREWED IN AS FAR AS IT WILL GO EASILY, THEN GIVEN AN EXTRA HALF TURN WHICH LOCKS IT. THE LAMP IS THEN SCREWED INTO THE LOWER SHELL IN THE SAME MANNER.

The Regent Film Socket is only $3\frac{1}{2}$ inches over all, and due to the fact that all contacts and live parts are covered by the porcelain, the socket can be mounted in a very small space. The distance between supporting screws and nearest live terminal is $1\frac{1}{2}$ inches. THERE ARE NO LIVE METAL PARTS EXPOSED BACK OF THE SOCKET. CORROSION AND DANGER OF SHORT CIRCUITS ARE ELIMINATED.

Porcelain housings furnished with streethood bodies listed without socket are supplied with screws and nuts for supporting Regent Film Socket No. 21466. This socket is listed also with hood fork and $\frac{3}{4}$ -inch rigid male nipple for making combination fixtures of the inverted cone type, and with other fittings for mounting in old style fixtures previously installed. Three films furnished free with each socket.



Regent Receptacle and
Mogul Base Socket with
Film Holder



Showing Ease with which
Films are Removed



Regent Film Socket
No. 21467 Complete

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Trade No.	Description	Std. Pkg.	Ship. Wt., Lbs. Each	Price Each
21466	Receptacle, Mogul Base Socket and film holder.....	50	$1\frac{1}{2}$	\$1.80
21467	Same, with $\frac{3}{4}$ -inch hood fork, rigid male nipple.....	50	$1\frac{3}{4}$	2.00
21468	Same, with $\frac{3}{4}$ -inch hood fork, female thread.....	50	$1\frac{7}{8}$	2.00
21469	Same, with $\frac{3}{8}$ -inch hood fork, female thread.....	50	$1\frac{3}{4}$	2.00
21481	Same, with $\frac{3}{8}$ -inch low flange, female thread.....	50	$1\frac{5}{8}$	2.00
21482	Lamp socket only, with film holder	50	$\frac{1}{4}$	.40
21483	Package of 50 silk films.....	500 films.....		.75

CUTTER STREETHOOD SOCKETS

FOR STREET SERIES AND MULTIPLE LAMPS

SCHEDULE A

STANDARD FILM SOCKETS

Have a porcelain receptacle with wire terminals and spring clips to hold the projecting fingers of the socket part. These fingers hold the dielectric film. The receptacle fits in the porcelain housing of Cutter Radial Streethood Bodies listed on other pages. Screws and nuts for holding the receptacle in place are included with the streethood bodies and with the hood forks furnished with Inverted Cone Streethood Bodies listed on another page.

Trade No.	Description	Std. Pkg.	Wt., Lbs. Each	Price Each
21462	Receptacle and socket, Mogul Screw Base..	50	1 1/4	\$1.80
21434	Receptacle only.....	100	1 1/2	.80
20480	Socket part only, Mogul Screw Base.....	75	3/4	1.00
20481	Socket part only, medium screw base.....	100	1 1/2	.50
21451	Package of 15 films.....	500	films	.15

REACTANCE SOCKETS

Consist of Cutter Mogul Screw Base Streethood Socket with special hood fork supporting a reactance coil connected in shunt with the lamp. These sockets are for use on series lighting systems, and when a lamp fails, the reactance coil compensates for the voltage drop through the lamp, thus maintaining constant current without the use of a regulator. In ordering, state voltage and amperes of circuit and voltage and candle power rating of lamp. Designed only for use with Cutter Inverted Cone Streethood Bodies listed on another page. Furnished with 3/4-inch male nipple.

TRADE No.	6.6 Amps. 60 Cycles	Candle Power Lamp	Std. Pkg.	Wt., Lbs. Each	Price Each
20487	20491	32	25	4	\$5.30
20488	20492	40	25	5	5.50
20489	20493	60	25	6	5.65
20490	20494	80	25	7	6.00

LAMP GRIP MULTIPLE SOCKETS

Cutter Lamp Grip Sockets are designed to meet the severe conditions found in outside service. The intense heat of the Type C lamps subjects the socket to greatly varying temperatures, ranging from several hundred degrees Fahr. when the lamp is burning, to below zero when the lamp is out.

These changes in temperature, taking place while the socket shells are under tension, will quickly depreciate their spring qualities and cause them to split, unless they are made sufficiently strong and some provision provided to meet these conditions.

The Cutter Lamp Grip Sockets are equipped with two vertical springs which engage the threads of the lamp collar, re-enforce the socket shells and relieve the tension. These vertical springs grip the lamp base and prevent the lamp from working loose when subjected to vibration and the contraction and expansion caused by the variations in temperature.

These springs also create an increase of positive contact between the lamp terminal and the socket.

The terminals are easily accessible and very generously designed.

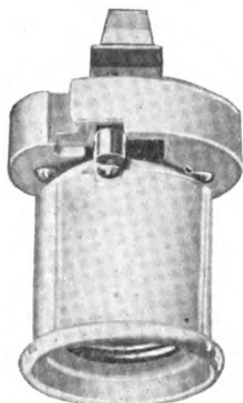
The use of these sockets will greatly reduce lamp breakage and outages.

Trade No.	Description	Std. Pkg.	Wt., Lbs. Each	Price Each
21400	Medium screw base.....	200	7/8	\$0.50
21402	Mogul Screw Base.....	150	1 1/4	.80

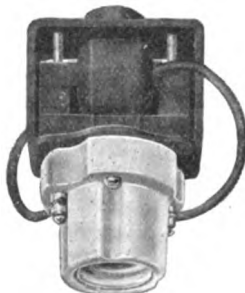
HOOD FORKS AND FLANGES

With screws and nuts for fastening sockets in Cutter Inverted Cone Streethood Bodies.

21713	Hood fork with 3/4-in. rigid male nipple.....	100	3/8	.20
21484	Hood fork with 3/4-in. female thread.....	100	1/2	.20
21485	Hood fork with 3/8-in. female thread.....	100	1/2	.20
21486	Low flange with 3/8-in. female thread.....	100	1/4	.20



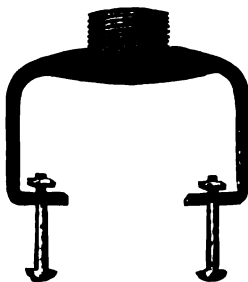
Standard Film Receptacle
and Mogul Base
Socket



Reactance Socket



Medium Screw Base
Lamp Grip Socket

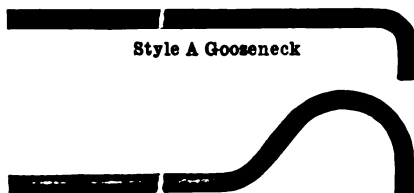


No. 21713 Hood Fork
Complete

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PARTS FOR CUTTER BRACKETS

SCHEDULE A



Style A Gooseneck



Style B Gooseneck



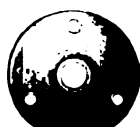
1/2-in. Pole Plate



1/2-in. Grooved Pole Plate



3/4-in. Grooved Pole Plate



1/2-in. Wall Flange



Corner Plate



Hood Insulator



Standard Cross-Arm



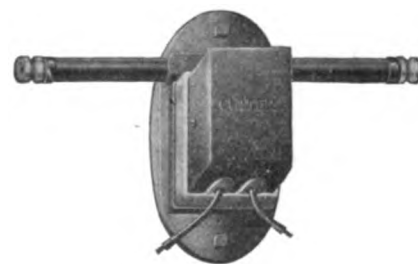
Standard Brace Arm



Angle Change Brace Arm



Iron Cross-Arm



Shunt Box

GOOSENECKS

TRADE No.	Length Feet	Size of Pipe Inches	Std. Pkg.	Wt., Lbs. Each	Price Each
Style A					
21362	3	1/2	200	27 3/4	\$0.50
21363	4	1/2	150	37 3/8	.65
21364	5	1/2	125	47 3/8	.80
21439	3	3/4	150	33 3/4	.75
21440	4	3/4	125	43 3/4	.90
21441	5	3/4	100	53 3/4	1.15

CURVED POLE PLATES

Trade No.	Description	Std. Pkg.	Wt., Lbs. Each	Price Each
20512	For 1/2-inch pipe.....	500	1	\$0.20
21487	Grooved, for 1/2-inch pipe	400	1 1/4	.30
21438	Grooved, for 3/4-inch pipe	400	2 1/4	.40

WALL FLANGES

21488	Threaded for 1/2-inch pipe	500	1	.20
21489	To slip over 1/2-inch pipe	500	1	.30
21490	Threaded for 3/4-inch pipe	400	2	.30
21491	To slip over 3/4-inch pipe	400	2	.40

CORNER PLATES

21492	For 1/2-inch pipe.....	300	2 1/2	.70
21493	For 3/4-inch pipe.....	200	2 1/2	.70

HOOD INSULATORS

With pipe cap above, 1/2-inch stud below. Used on High Voltage and Eastern Brackets.

21494	With 1/2-inch pipe cap...	100	3	.90
21495	With 3/4-inch pipe cap...	100	3	.90

STANDARD CROSS-ARMS

An enameled wood cross-arm with metal bound ends (to prevent splitting) and with the fittings bolted to the arm. This arm is used on the Cutter Standard and High Voltage Brackets.

21496	With 1/2-inch pipe fitting (female thread) above and 3/4-inch wireable waste nut below.....	200	2	.50
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STANDARD BRACE ARMS

An enameled and metal bound wood arm for guiding the wires to streethoods.

20507	With curved pole plate..	200	3	.55
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IRON CROSS-ARMS

Used on the Cutter Iron Arm and Eastern Brackets. Tapped in the top for 1/2-inch pipe. Has a wireway underneath threaded for 3/4-inch nipple.

21497	With glass insulators...	150	5	.80
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ANGLE CHANGE BRACE ARMS

Made of cast iron with curved pole plate and fixed pins. May be used on front or back of pole.

21498	With glass insulators...	150	6	.80
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SHUNT BOXES

Pole Type, with Brace Arm

Has a reactance coil mounted in a weatherproof case insulated from the pole plate. The coil is for connecting in parallel with the Mogul Multiple Socket in the streethood and is designed to maintain constant current in a circuit without a regulator. Prices below are for 60-cycle coils. Prices for 25-cycle coils will be furnished on application.

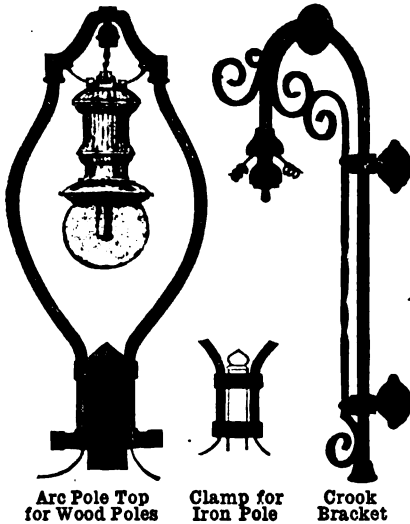
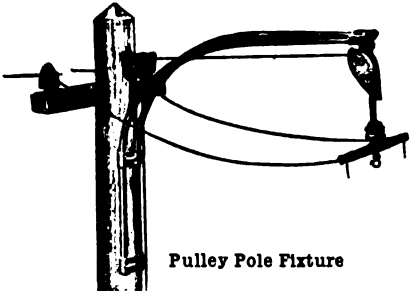
TRADE No.		C. P.	Std.	Wt., Lbs.	Price
3.5 or 4 Amps.	6.6 Amps.	Lamp	Pkg.	Each	Each
20495	20501	32	15	10	\$5.65
20496	20502	40	15	11	5.80
20497	20503	60	15	12	5.95
20498	20504	80	15	13	6.20
20499	20505	100	15	14	6.50
20500	20506	250	15	16	9.40

An assortment of Cutter Streethood and Bracket Parts amounting to \$150.00 or over, constitutes a standard package.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER ARC FIXTURES AND BRACKETS

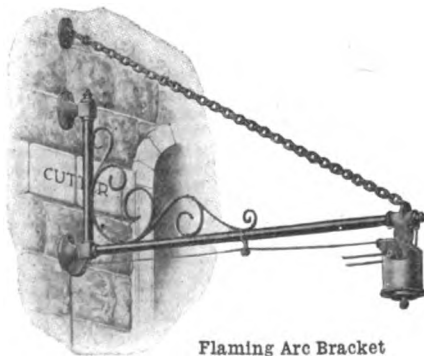
SCHEDULE C—STANDARD PACKAGE QUANTITY, 15 OF ONE STYLE OR TRADE NUMBER

Arc Pole Top
for Wood PolesClamp for
Iron PoleCrook
Bracket

Pulley Pole Fixture



Scroll Pulleyed Outrigger



Flaming Arc Bracket

ARC (POLE TOPS)

Has a shadowless plate for wood poles made for wood pins to carry insulators. The wires are run through the curved $\frac{3}{4}$ -inch pipes, out through porcelain bushings in the arch to the terminals of the lamp. Height from insulator hook to top of pole, 42 inches. Maximum spread of pipes, 27 inches. A pair of insulated reflector clamps No. 21989 will be furnished for 80 cents list extra.

Trade No.	Description	Wt. Lbs.	Price Each
21990	For wood poles.....	28	\$6.00
21991	For 2 $\frac{1}{2}$ -inch bore pipe.....	34	6.00
21992	For 3-inch bore pipe.....	35	6.10
21993	For 4-inch bore pipe.....	36	6.30
21994	For 5-inch bore pipe.....	37	6.40

CROOK BRACKETS

An ornamental arc lamp bracket made of $1\frac{1}{4}$ -inch pipe with cast iron and wrought iron trimmings. Fitted with outlet bell and high voltage insulator on the outer end and with porcelain bushings in the plates for inner wiring. Holds the lamp 31 $\frac{1}{2}$ inches from the wall. Over all height, 5 feet 1 $\frac{1}{2}$ inches. Distance between centers of supporting plates, 29 $\frac{1}{2}$ inches.

21995	With high voltage insulator	43	13.00
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PULLEY POLE FIXTURES

A 3-foot fixture complete, with lamp-supporting and pole pulleys, enabling the lamp to be lowered for trimming. A good substitute for a short mast arm.

Furnished with flat plates for attaching to walls or square poles, when so ordered.

20537	With clamp knob only.....	27	5.90
20538	With triple insulation arm..	31	7.25

SAFETY POLE FIXTURES

Same as pulley pole fixture, but with cut-out pulley in place of lamp-supporting pulley. See another page for description of cut-out.

20759	With series cut-out pulley..	43	14.45
20760	With multiple cut-out pulley	43	14.45

SCROLL PULLEYED OUTRIGGERS

An ornamental fixture with inner weatherproof pulley and outer lamp-supporting pulley and clamp knob for lowering the lamp. Pipe is of $\frac{3}{4}$ -inch bore. Head piece made so guy wires may be used for steadying the fixture. Prices do not include the rope.

TRADE No.	With Wall Plate	With Pole Plate	Description	Wt. Lbs.	Price Each
21996	21997		3 ft., with clamp knob	36	\$5.25
21998	21999		4 ft., with clamp knob	37	5.90

For triple insulation arm, add \$1.65 list.

FLAMING ARC BRACKETS

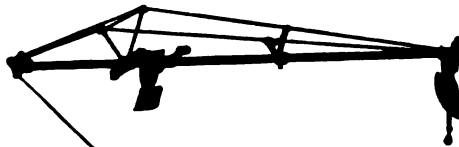
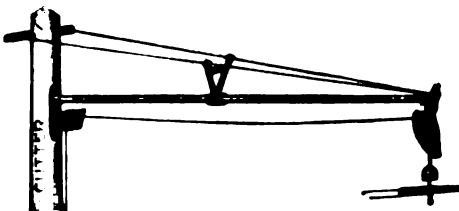
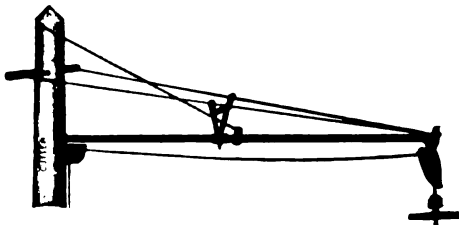
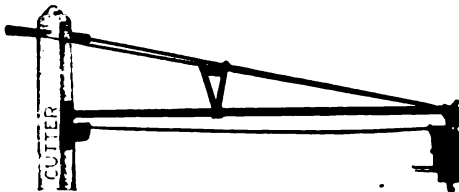
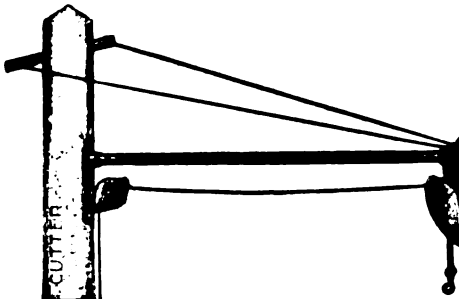
Designed for supporting heavy arc lamps in front of buildings. The pipe is $1\frac{1}{4}$ -inch bore and guyed from the outer end by a chain. The ornamental scroll is made of heavy wrought iron. The lower pole plate has a pulley built in the casing. The cut-out pulley on the outer end allows the lamp to be lowered for trimming without lowering the wires. Furnished complete, as shown, without the rope or wires. Use $\frac{3}{8}$ -inch Banner Core Rope. Two chains furnished for 5-foot lengths.

TRADE No.	With Multiple Pulley	With Series Pulley	Overhang Feet	Wt. Lbs.	Price Each
20574		20577	3	55	\$20.00
20575		20578	4	60	21.00
20576		20579	5	65	23.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER MAST ARMS

SCHEDULE C—STANDARD PACKAGE QUANTITY, 15 OF ONE STYLE OR TRADE NUMBER

Wind-Braced Mast Arm
with Clamp KnobJunior Mast Arm
with Triple Insulation ArmLong Junior Mast Arm
with Triple Insulation ArmLong Junior Mast Arm
with Cut-Out Pulley

Cadet Mast Arm

WIND-BRACED MAST ARMS

The only side mast arms having braces to prevent the arm from rocking on the pole. They have two strain rods run over a wrought iron truss at the pole and through the eyes of a stiffening triangle.

The base of the wrought iron truss has an extension brace which is bolted to the pole, while a similar brace (clamped to the piping) is bolted to the other side of the pole. These braces anchor the pipe firmly, and keep the fixture from swaying sideways in the wind.

The mastarm proper can be partly assembled on the ground. The pole plate has a weather-proof pulley fastened to it, and the lamp-supporting pulley at the outer end makes this mast arm unusually complete.

Over- hang Feet	With Clamp Knob only			With Triple Insulation Arm		
	Trade No.	Wt., Lbs.	Price Each	Trade No.	Wt., Lbs.	Price Each
8	20586	79	\$14.80	20594	83	\$16.15
10	20587	86	15.80	20595	90	17.15
12	20588	93	17.75	20596	97	19.10
14	20589	103	18.75	20597	106	20.15
15	20590	113	19.25	20598	116	20.60
16	20591	123	19.75	20599	126	21.10
18	20592	133	20.75	20600	136	22.10
20	20593	143	21.75	20601	146	23.10

JUNIOR MAST ARMS

Designed to meet the demand for low priced, yet complete and well braced mast arms. They have pole plates with weatherproof pulleys fitted direct to them and mast arm pulleys for lowering the lamps. Shipped complete with strain rods, strain arm, pipe and pulleys.

6	20618	48	7.70	20623	51	9.05
8	20619	57	8.50	20624	60	9.85
10	20620	60	9.30	20625	63	10.65
12	20621	67	10.10	20626	70	11.45
14	20622	72	10.85	20627	75	12.20

LONG JUNIOR MAST ARMS

Similar to the Junior, but with double-braced strain arm. An extra support for the center of the pipe is furnished on 14-foot and longer arms.

Furnished with cut-out pulley in place of lamp-supporting pulley with clamp knob, for \$8.35 list additional.

6	20628	52	8.50	20637	55	9.85
8	20629	61	9.30	20638	64	10.65
10	20630	64	10.05	20639	67	11.40
12	20631	70	10.85	20640	73	12.20
14	20632	79	12.05	20641	83	13.40
15	20633	85	12.45	20642	89	13.80
16	20634	90	12.85	20643	93	14.20
18	20635	94	13.80	20644	98	15.15
20	20636	100	14.80	20645	104	16.15

CADET MAST ARMS

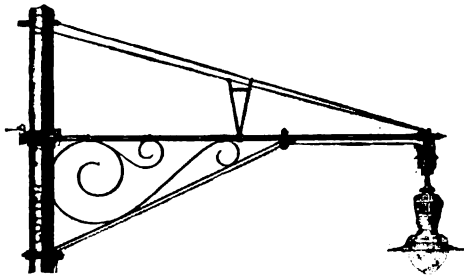
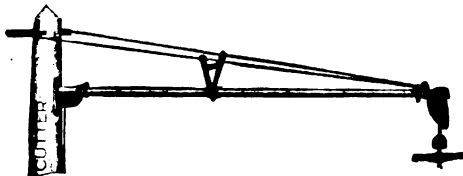
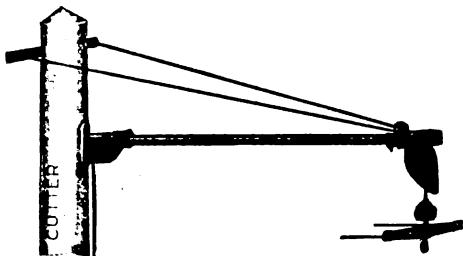
Similar to Junior Mast Arms, but without the stiffening triangle.

4	20698	35	5.90	20701	39	7.25
6	20699	40	6.70	20702	44	8.05
8	20700	49	7.50	20703	53	8.85

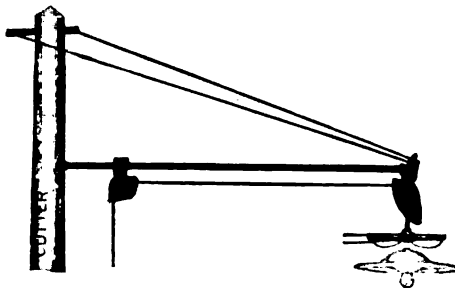
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER MAST ARMS

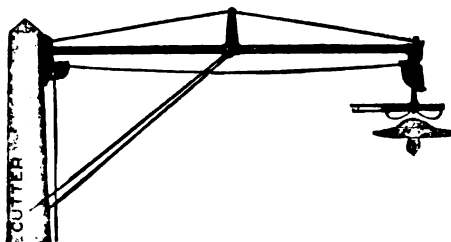
SCHEDULE C—STANDARD PACKAGE QUANTITY, 15 OF ONE STYLE OR TRADE NUMBER

10-foot Ornamental Mast Arm
for 5-inch Iron PolesInner-Rope Mast Arm
with Triple Insulation Arm

Corporal Mast Arm



Incandescent Mast Arm



Incandescent Truss

ORNAMENTAL MAST ARMS

For 5-inch (Bore) Iron Poles

The 5-inch pole clamp has an arm with $1\frac{1}{2}$ -inch sockets for insulator pins and a porcelain elbow to protect the wires which are run inside the $1\frac{1}{4}$ -inch pipe. Shipped with cut-out pulley and scrolls, but without rope or wires. Extra center rod included with 14-foot and longer arms.

With Series Cut-Out Pulley				With Multiple Cut-Out Pulley			
Overhang Feet	Trade No.	Wt., Lbs. Each	Price Each	Trade No.	Wt., Lbs. Each	Price Each	
6	21263	100	\$19.40	21272	100	\$19.40	
8	21264	110	20.15	21273	110	20.15	
10	21265	115	20.95	21274	115	20.95	
12	21266	120	22.00	21275	120	22.00	
14	21267	127	23.40	21276	127	23.40	
15	21268	138	24.00	21277	138	24.00	
16	21269	145	25.15	21278	145	25.15	
18	21270	152	25.55	21279	152	25.55	
20	21271	158	26.35	21280	158	26.35	

INNER-ROPE MAST ARMS

The pole pulley is built inside the pole plate and the outer supporting pulley fits in a clamp that allows the rope to pass through the pipe. Extra center rod and double braced strain arm furnished with 14-foot and longer arms.

With Clamp Knob only				With Triple Insulation Arm			
Overhang Feet	Trade No.	Wt., Lbs. Each	Price Each	Trade No.	Wt., Lbs. Each	Price Each	
6	20680	50	\$7.70	20689	53	\$9.05	
8	20681	56	8.50	20690	59	9.85	
10	20682	66	9.30	20691	69	10.65	
12	20683	76	10.05	20692	79	11.40	
14	20684	91	12.45	20693	89	13.80	
15	20685	95	12.85	20694	99	14.20	
16	20686	101	13.25	20695	109	14.60	
18	20687	111	14.25	20696	119	15.60	
20	20688	121	15.25	20697	129	16.60	

CORPORAL MAST ARMS

Similar to Inner-Rope Mast Arm, but without stiffening triangle.

4	20704	39	5.90	20707	43	7.25
6	20705	44	6.70	20708	48	8.05
8	20706	49	7.50	20709	53	8.85

INCANDESCENT MAST ARMS

Designed especially for Cutter Inverted Cone Streethood Bodies. Shipped complete, as shown, with $\frac{3}{4}$ -inch pipe arm, curved pole plate, inner weatherproof pulley, outer Petite Pulley with cross-arm, strain arm and rods, but without streethood body or rope.

Trade No.	Overhang Feet	Wt., Lbs. Each	Price Each
21281	6	30	\$5.00
21282	8	34	5.50
21283	10	38	6.00

INCANDESCENT TRUSSES

Designed for use with Inverted Cone Streethood Bodies listed on another page. Furnished complete, as shown, with 1-inch pipe arm, center truss, strain rod, pole plate with weatherproof pulley, outer Petite Pulley with cross-arm, and side braces, but without streethood body or rope.

21284	6	41	6.00
21285	8	45	7.20
21286	10	49	8.40
21287	12	53	9.60

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER CUT-OUT PULLEYS

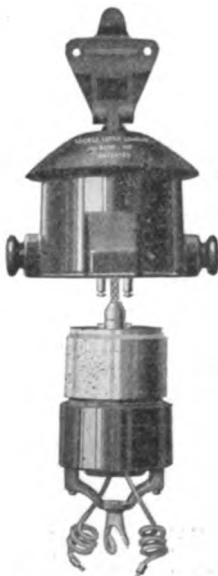
SCHEDULE D—STANDARD PACKAGE QUANTITY, 10



Nos. 20763 and 20773



Nos. 20768 and 20778



End View of Jupiter Cut-out Pulley with Mast Arm Clamp

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STANDARD CUT-OUT PULLEYS
FOR SERIES OR MULTIPLE CIRCUITS

An ingenious, simple and positive device which sustains the lamp and holds it in contact independent of the hoisting rope.

When the lamp is lowered, the circuit is closed. The circuit wires are run taut to the pulley and are never lowered. The lamp can be lowered straight down without interfering with trolley wires or other obstacles.

Lamps can be cleaned, trimmed, adjusted or replaced on live circuits with perfect safety. The pulley acts as a positive insurance against accidents and protects expensive lamps from damage under adverse conditions.

No ladders or poles to climb.

It is designed particularly for use on high voltage circuits either D. C. or A. C.

The contacts are self-cleaning.

There is nothing about the pulley to wear or get out of order.

The switching and supporting features are entirely automatic and certain in operation.

You pull the rope—the pulley does the rest.

Made for rope or chain, as ordered.

Recommended for use with Wind-braced and Long Junior Mast Arms in place of outer mast arm pulleys.

TRADE No. For Series Circuits	TRADE No. For Multiple Circuits	Description	Wt. Lbs.	Price Each
20761	20771	Threaded for 1¼-inch pipe.....	25	\$10.00
20762	20772	Threaded for 2-inch pipe.....	25	10.00
20763	20773	With cable clamp	25	10.00
20764	20774	With ¾-inch sleeve clamp.....	25	10.00
20765	20775	With 1-inch sleeve clamp.....	25	10.00
20766	20776	With 1¼-inch sleeve clamp.....	25	10.00
20767	20777	With 1½-inch sleeve clamp.....	25	10.00
20768	20778	With 1¾-inch mast arm clamp.....	25	10.00
20769	20779	With 1½-inch mast arm clamp.....	25	10.00
20770	20780	With ceiling plate.....	25	10.00

Nos. 20761, 20762, 20771 and 20772 are rigid and designed for use on inner-rope fixtures. Other styles are free to swing into line with hoisting rope.

Use Cutter ⅜-inch Hoisting Rope or ¼-inch Ebony Wire Rope with these pulleys. Made for use with galvanized chain when so ordered.

JUPITER CUT-OUT PULLEYS FOR SERIES CIRCUITS

Built along the same general lines as Cutter Standard Cut-out Pulleys, but designed for extra heavy duty service. Recommended for D. C. and A. C. series circuits of 2300 volts or higher and for localities where atmospheric conditions demand extra high insulation and heavy current carrying parts. Made for rope or chain as ordered.

Trade No.	Description	Wt. Lbs.	Price Each
21470	With cable clamp.....	65	\$14.00
21471	With 1¼-inch mast arm clamp.....	65	14.00
21472	With 1½-inch mast arm clamp.....	65	14.00
21473	With 2-inch mast arm clamp.....	65	14.00

CUTTER PULLEYS

SCHEDULE D

LAMP-SUPPORTING PULLEYS

Holds the lamp when raised and releases it when about to be lowered. Has a long swivel clamp to fit any size suspension wire or cable and a malleable iron clamp knob to hold the lamp. On raising the lamp, this knob is engaged by the pulley and takes all the strain off the rope. Another pull at the rope guides the knob out so that the lamp can be readily lowered. The action is entirely automatic. You pull the rope till it reaches a dead stop, and the pulley does the rest. There are no extra catches or fingers to bend out of shape or bind on the casing or to get clogged with sleet. It is the only weatherproof safety pulley that works every time. The clamp knob clamps any size rope up to 1/2-inch.



Lamp-supporting
Pulley with
Clamp Knob



Clamp
Knob

Trade No.	Description	Std. Pkg.	Wt. Lbs.	Price Each
20782	With clamp knob only	50	9	\$1.45
20783	With high voltage insulator ..	50	12	2.35
20784	With triple insulation arm ...	50	13	2.80
20785	With Jupiter Cross-arm	50	16	3.25

For galvanizing, add 50 per cent to list price which includes final coat of black enamel.

MAST ARM PULLEYS

A modification of the lamp-supporting pulley, having an extra strong single piece clamp, which fits the iron pipe of a mast arm and which also forms the headpiece, so that the strain rods can be run direct to it.

For 1 1/4-inch (Bore) Pipe

20786	With clamp knob only	50	10	1.65
20787	With high voltage insulator ..	50	13	2.55
20788	With triple insulation arm ...	50	14	3.00
20789	With Jupiter Cross-arm	50	17	3.45

For 1 1/2-inch (Bore) Pipe

20790	With clamp knob only	50	10	1.65
20791	With high voltage insulator ..	50	13	2.55
20792	With triple insulation arm ...	50	14	3.00
20793	With Jupiter Cross-arm	50	17	3.45

For galvanizing, add 50 per cent to list price which includes final coat of black enamel.



Mast Arm
Pulley



Clamp Knob
with High Voltage
Insulator

INNER-ROPE PULLEYS

A lamp-supporting pulley with a hooded end clamp for use with mast arms in which the rope runs through the pipe.

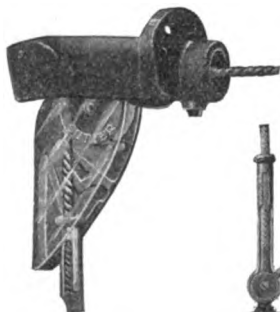
For 1 1/4-inch (Bore) Pipe

20794	With clamp knob only	50	14	1.80
20795	With high voltage insulator ..	50	17	2.70
20796	With triple insulation arm ...	50	18	3.15
20797	With Jupiter Cross-arm	50	21	3.60

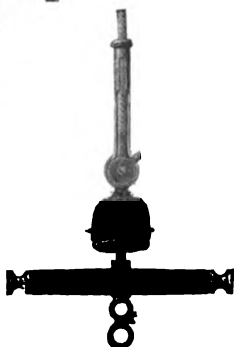
For 1 1/2-inch (Bore) Pipe

20798	With clamp knob only	50	14	1.80
20799	With high voltage insulator ..	50	17	2.70
20800	With triple insulation arm ...	50	18	3.15
20801	With Jupiter Cross-arm	50	21	3.60

For galvanizing, add 50 per cent to list price which includes final coat of black enamel.



Inner-rope
Pulley



Clamp Knob with
Triple Insulation Arm

CLAMP KNOBS

20802	With hook only	100	1 1/2	.90
20803	With high voltage insulator ..	100	4 1/2	1.20
20804	With triple insulation arm ...	100	6	1.65
20805	With Jupiter Cross-arm	100	9	2.10

For galvanizing, add 50 per cent to list price which includes final coat of black enamel.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PULLEYS

SCHEDULE D



Outrigger Pulley



Ceiling Pulley



Swivel Pole Pulley



Interchangeable Pulley



Duplex Pole Pulley



Sleeve Pulley



Plain Roof Pulley

OUTRIGGER PULLEYS

A form of the lamp-supporting pulley, with a clamp to fit the pipe. Furnished with clamp knob.

Trade No.	Description	Std. Pkg.	Wt. Lbs.	Price Each
20806	For ¾-inch (bore) pipe....	50	9	\$1.45
20807	For 1-inch (bore) pipe....	50	9	1.50
20808	For 1¼-inch (bore) pipe...	50	10	1.60
20809	For 1½-inch (bore) pipe...	50	10	1.65

CEILING PULLEYS

A form of the lamp-supporting pulley, with a plate for use on bridges or under beams in shops or yards.

Trade No.	Description	Std. Pkg.	Wt. Lbs.	Price Each
20810	With clamp knob only	50	9	1.65
20811	With triple insulation arm	50	13	3.00
20812	With Jupiter Cross-Arm..	50	16	3.45

SWIVEL POLE PULLEYS

A weatherproof pole pulley, swiveled so that it can swing sideways and keep in line with the hoisting rope. Has a strong malleable iron pole plate.

20813	100	4½	.75
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JUMBO POLE PULLEYS

Similar to the above, but larger, to take ¾-inch rope.

20814	75	5½	1.10
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DUPLIX POLE PULLEYS

Consists of a pair of swivel pole pulleys fastened to a simple malleable iron pole plate.

20815	50	8	1.50
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INTERCHANGEABLE PULLEYS

A weatherproof pulley with a universal clamp made of malleable iron, which will grip any standard size of suspension wire or cable. By taking out the two bolts the clamp can be opened out so as to form a wall plate, which fits the curved surface of a pole and which is easily fastened in place by lag screws. When so used, it makes a swiveled pole pulley similar in action to the Cutter Swivel Pole Pulley.

20816	100	4½	.75
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JUMBO CHANGEABLE PULLEYS

Similar to the interchangeable pulley, but larger, to take ¾-inch rope.

20817	75	5½	1.10
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SLEEVE PULLEYS

A weatherproof pulley with a sleeve clamp to grip iron pipe.

20818	For ¾-inch (bore) pipe....	100	5½	.80
20819	For 1-inch (bore) pipe....	100	5½	.85
20820	For 1¼-inch (bore) pipe...	100	5½	.90
20821	For 1½-inch (bore) pipe...	100	6	.95

PLAIN ROOF PULLEYS

A companion to the ceiling pulley, with a ceiling plate for bridges, beams, etc.

20822	100	5½	.90
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For galvanizing any of the above, add 50 per cent to list price, which includes final coat of black enamel.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER PULLEYS AND WINDLASSES

SCHEDULE D

Plain End
Pulley

Medium Pulley



Pole Housing



Tail Pulley



Combination Pole Windlass



Combination Wall Windlass



Pinion Handle

PLAIN END PULLEYS

A plain weatherproof pulley with an end clamp to fit mast arm pipes.

Trade No.	Description	Std. Pkg.	Wt. Lbs.	Price Each
20823	For 1¼-inch (bore) pipe	100	6½	\$0.90
20824	For 1½-inch (bore) pipe	100	6½	.90

MEDIUM PULLEYS

A center suspension pulley with long supporting clamp and weatherproof casing, but with no safety features. Takes any size rope up to ½ inch in diameter and is second only to the Cutter Lamp-supporting Pulley.

20825	100	5½	.75
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POLE HOUSING

The pole plate and pulley casing are made in one piece, with the sheaves placed so the rope can run through the pipe, as with the Cutter Inner-rope and Corporal Mast Arms.

20826	For 1¼-inch (bore) pipe	75	6½	1.20
20827	For 1½-inch (bore) pipe	75	6½	1.20

TAIL PULLEYS

A companion to the pole housing for use with Cutter Inner-rope and Corporal Mast Arms.

20828	For 1¼-inch (bore) pipe	75	6½	.90
20829	For 1½-inch (bore) pipe	75	7	.90

COMBINATION POLE WINDLASSES

These are self-locking safety windlasses which can be used either as plain or geared windlasses at the option of the trimmer. Can be used as plain windlass to lower the lamp quickly, and then as a geared windlass to raise the lamp. These windlasses are perfectly safe for heavy lamps, the whole device being made as fool-proof as possible.

The pinion handle is detachable so that it can be used with any number of windlasses.

The drum will hold 60 feet of ¼-inch Ebony Wire Rope or 40 feet of ⅜-inch Banner Core Rope.

Prices below do not include handle.

20830	For wood poles.....	25	22	4.25
20831	For 5-inch (bore) pipe..	25	24	4.50
20832	For 6-inch (bore) pipe..	25	25	4.75
20833	For 7-inch (bore) pipe..	25	27	5.00

COMBINATION WALL WINDLASSES

Similar to the combination pole windlass, but with a side plate for fastening to walls.

20834	25	24	4.50
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PINION HANDLES

For combination pole and wall windlasses.

20835	25	4	1.50
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For galvanizing any of the above, add 50 per cent to list price which includes final coat of black enamel.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LINEMEN'S SHIELDS AND WINDLASSES

MARSHALL'S LINEMEN'S SHIELDS



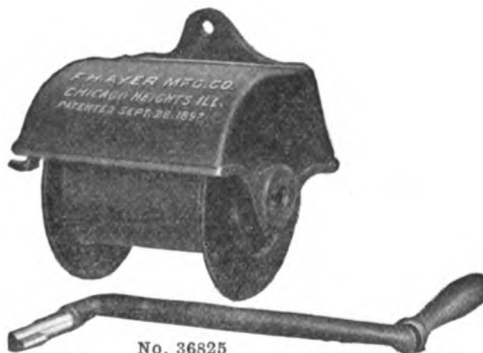
This is a patented device to protect linemen when working on high tension lines. It is made of rubber varying in thickness from $\frac{3}{8}$ -inch, where it is subject to pressure, to $\frac{3}{16}$ -inch along the flaps. Its shape is such that when the shield is in place no live part of the circuit is within the danger range of the lineman. Formerly the shield was held in position by two hard rubber rings, slotted, which served to clamp it to the wire. In the improved shield this method is supplemented by lock strap attachments made entirely of rubber, by means of which it can be strapped snugly to the wire, thus insuring absolute safety under all conditions. This improvement was made to overcome the only criticism ever received on the shield, namely, that the rings, not being a part of the shield, were liable to get mislaid or lost, leaving no method of securing it. These straps are attached to and become an integral part of the shield itself, and are always on the job. Experts who have examined this new feature, state that the desired result has been accomplished. Each shield is subjected to a submerged test of 30000 volts before shipment.

The shield is applied in a large variety of positions. This device is recommended for use on circuits not to exceed 10000 volts.

Trade No.		Price Each
124632	Marshall's Linemen's Shield.....	\$35.00

AYER'S SELF-LOCKING WINDLASSES

Malleable Iron and Steel



Ayer's Self-locking Windlasses are of the simplest possible construction, consisting of a very few parts, and so arranged that they cannot possibly get out of order. The crank is easily inserted, unlocking the windlass, and when withdrawn the windlass is locked and cannot be turned in either direction. It is also provided with a supplemental ratchet, which engages cogs on the drum in such a way that the lamp cannot run down, even when the handle is on the windlass, unless this ratchet is held pressed back from the drum. When desired, a special attachment is furnished without charge, which can be carried in the pocket and readily inserted or withdrawn from a Fletcher Windlass Crank so that these windlasses can be used where Fletcher Windlasses have already been installed, without requiring a separate crank to operate them. No charge is made for one crank.

Trade No.	Number in Barrel	Shipping	WEIGHT, POUNDS Net	Price Each
36825	15 to 20	20	19	\$3.00
36826	Extra cranks.....			.75

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER INSULATORS AND CROSS-ARMS

SCHEDULE E

HIGH VOLTAGE INSULATORS

High voltage insulators have a double petticoat porcelain bell, which forms a good watershed and gives high insulation even in wet weather. The rivets which fasten the metal cap to the porcelain pass under the elongated head of the bolt which supports the hook. The cap is sealed with insulating material and the extra petticoat gives a large surface insulation, making the device well suited for use on arc circuits exposed to weather, smoke or fumes.

While designed especially for use on arc circuits of high voltage, the extra protection and the elimination of leakage afforded by this insulator make it a desirable one, even for circuits of comparatively low voltage.



No. 20836



No. 20837



No. 20838



No. 20839



No. 20841



No. 20844

Trade No.	Description	Std. Pkg.	Wt. Lbs. Each	Price Each
20836	With ring above and sister hook below.....	100	4	\$0.90
20837	With ring above and ring below	100	4	.80
20838	With clamp for wire rope above and with sister hook below	100	4	1.10
20839	With clamp for wire rope above and with ring below.....	100	4	1.00
20840	With clamp for chain above and sister hook below....	100	4	1.10
20841	With clamp for chain above and ring below.....	100	4	1.00

For galvanizing all iron parts, add 20 cents each to list price, which includes final coat of black enamel.

JUPITER INSULATORS

Built on the same lines generally as high voltage insulators, but with a greatly enlarged series of petticoats to give higher surface insulation. Therefore it has the same high breakdown insulation (ample for 12000-volt circuits) and an extra large surface to reduce the leakage in wet weather.

20844	With ring above and sister hook below.....	75	6	1.35
20845	With ring above and ring below	75	6	1.25

For galvanizing all iron parts, add 20 cents each to list price, which includes final coat of black enamel.

TREE INSULATORS

A simple, strong tree insulator with wrought iron base, galvanized. Will take wires up to $\frac{3}{4}$ inch in diameter.

Trade No.	Std. Pkg. Dozen	Wt., Lbs. per Doz.	Price per Doz.
20846	25	12	\$3.60

MAMMOTH TREE INSULATORS

Similar to the above, but for wires up to $1\frac{1}{4}$ inches in diameter.

20847	12	40	8.00
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SWINGING INSULATORS

Swinging insulators allow the wire to move freely between porcelain rollers without chafing the insulation. Being hung from the loop, it is free to adapt itself to any strains, and therefore will not cramp the wire, as the bracket base tree insulators often do. Strongly made of malleable iron, takes wires up to $\frac{3}{4}$ inch in diameter.

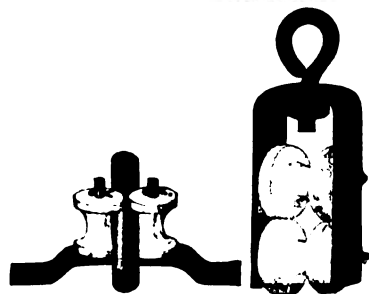
Trade No.	Finish	Std. Pkg. Dozen	Wt., Lbs. per Doz.	Price per Doz.
20848	Painted	25	15	\$3.60
20849	*Galvanized	20	15	4.50

JUMBO SWINGING INSULATORS

Similar to the above, but for wires up to $1\frac{1}{4}$ inches in diameter.

20850	Painted	12	55	8.00
20851	*Galvanized	6	55	14.50

*Includes final coat of black enamel.



No. 20846



No. 20850

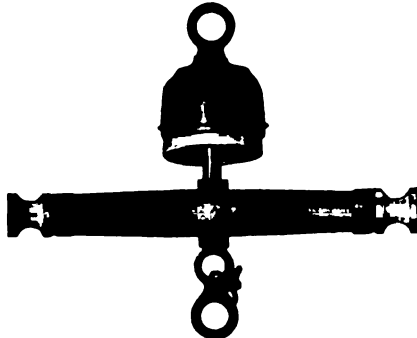


No. 20847

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER INSULATORS AND CROSS-ARMS

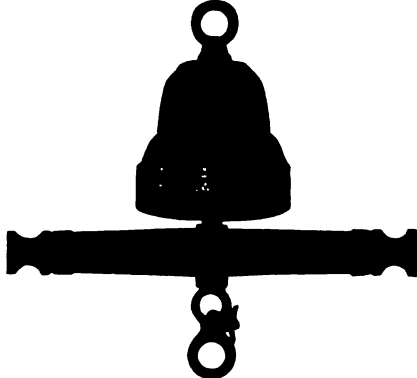
SCHEDULE E



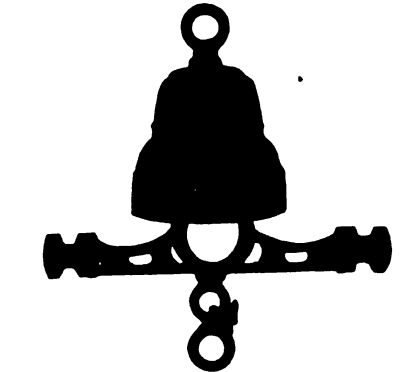
Triple Insulation Arm



High Voltage Cross-arm



Jupiter Cross-arm



Ajax Cross-arm

TRIPLE INSULATION ARMS

Triple insulation arms have a high voltage insulator above an enameled wood arm, thus giving a triple insulation between the line wire and the supporting ring.

The arm is coated with a baked enamel, which outwears paint in the weather, and has its ends bound by strong metal ferrules to prevent their splitting. Every part of the whole device is built for fine wear and high insulation, making it a fine insulating arm for all high voltage lamps, and the only low priced one adapted for use with alternating series lamps. It is second only to the Jupiter Cross-arm.

Trade No.	Finish	Std. Pkg.	Wt., Lbs. Each	Price Each
20852	Enameled	75	5	\$1.35
20853	*Galvanized	75	5	1 60

HIGH VOLTAGE CROSS-ARMS

High voltage cross-arms combine the high voltage insulator with a well-built insulating spreader arm, making a fine insulating arm for use over arc lamps. The arm proper is of wood, coated with a baked enamel, which keeps it dry and high insulating. Each end is bound by a malleable iron ferrule, which keeps the wood from splitting in case a heavy strain is put on the screws holding the porcelain insulators in place. The latter are deep grooved as illustrated.

The supporting ring is of malleable iron and all the parts are built just right to make this a good insulating arm, though not equal to the Triple Insulation Arm or Jupiter Cross-arm.

Trade No.	Finish	Std. Pkg.	Wt., Lbs. Each	Price Each
20854	Enameled	75	5	\$1.25
20855	*Galvanized	75	5	1.50

JUPITER CROSS-ARMS

An insulating cross-arm having both the wire supports and the lamp hook insulated from the support by Cutter Jupiter Insulator. The cross-arm is enameled and metal-bound and has deep grooved knobs at each end.

The ideal insulating arm for use on high voltage circuits.

Trade No.	Finish	Std. Pkg.	Wt., Lbs. Each	Price Each
20856	Enameled	50	7	\$1.80
20857	*Galvanized	50	7	2.05

AJAX CROSS-ARMS

An insulating cross-arm having both the wire supports and the lamp hook insulated from the support by a Jupiter Insulator. The cross-arm is of iron, fitted with porcelain knobs for supporting the line wires and a locking sister hook for the lamp.

Trade No.	Finish	Std. Pkg.	Wt., Lbs. Each	Price Each
20858	Enameled	50	10	\$1.80
20859	*Galvanized	50	10	2.25

*Includes final coat of black enamel.

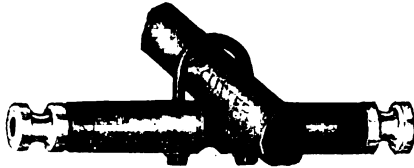
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER INSULATORS AND CROSS-ARMS

SCHEDULE E



Plain Arm



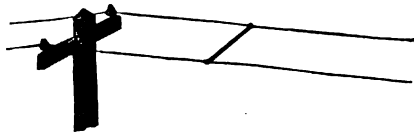
Grip Arm



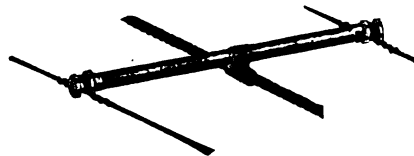
Economy Arm



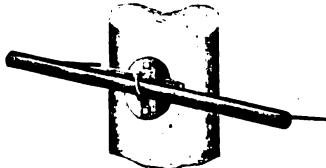
Featherweight Spreader



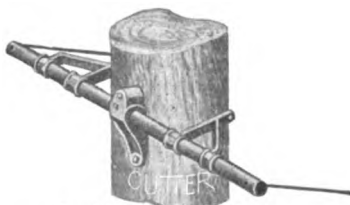
Featherweight Spreader in Use



Guide Spreader



Strain Arm



Double-Braced Strain Arm

PLAIN ARMS

Enameled wood, with metal-bound ends and porcelain knobs. Holds the line wire 12 inches apart.

Trade No.	Std. Pkg.	Wt., Lbs. Each	Price Each
20862	200	1½	\$0.30

GRIP ARMS

Consists of the plain arm with a "U" bolt for clamping same to 1¼-inch (bore) iron piping as used on mast arms, outriggers and brackets.

Trade No.	Finish	Std. Pkg.	Wt., Lbs. Each	Price Each
20863	Enameled	200	1¾	\$0.40
20864	*"U" bolt galvanized	200	1¾	.45

ECONOMY ARMS

A common sense cross-arm for use where the insulation is not important. Similar to the grip arm, but with sister hook.

Trade No.	Finish	Std. Pkg.	Wt., Lbs. Each	Price Each
22441	Enameled	200	2	\$0.50
22442	*Iron parts galvanized	200	2	.60

FEATHERWEIGHT SPREADERS

Featherweight spreaders are readily fastened to the wires running to suspension lamps, so as to keep them at a distance of 18 inches from each other. Made of enameled wood, metal tipped, with porcelain insulators. Weighs less than 8 ounces.

Trade No.	Finish	Std. Pkg.	Wt., Lbs. Each	Price Each
20865	*Enameled	200	¾	\$0.25

GUIDE SPREADERS

Same as the above, with a collar to clasp the suspension cable. Keeps the line wires 18 inches apart and in line with the suspension strand.

Trade No.	Finish	Std. Pkg.	Wt., Lbs. Each	Price Each
20866	Enameled	200	1	\$0.40
20867	*Collar galvanized	200	1	.45

STRAIN ARMS

As Furnished on Junior and Cadet Mast Arms

Strain arms are made of wrought iron with a cast iron pole plate.

Trade No.	Std. Pkg.	Wt. Lbs.	Price Each
20746	100	8½	\$1.20

DOUBLE-BRACED STRAIN ARMS

As Furnished on Long Junior Mast Arms

Double-braced strain arms are longer than the regular strain arms and have side braces to prevent rocking in high winds.

Trade No.	Std. Pkg.	Wt. Lbs.	Price Each
20747	50	10	\$2.00

*Includes final coat of black enamel.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER POLE LINE MATERIAL

SCHEDULE F

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Rope Cleat



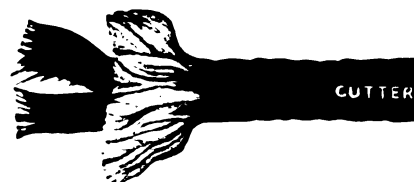
Pole Lock



Rope Clamp



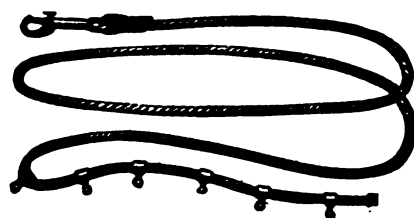
Chain Clamp



Weatherproof Lamp Rope



Ebony Wire Rope



Trimmer's Rope

POLE LOCKS

Has the keyhole at the bottom and not at the top (where the rain and sleet would drive into it). The double catch makes it non-pickable, the back fits either a wall or a pole, and the casting makes it weatherproof. Just the thing to prevent tampering with hoisting ropes. One key free with every ten locks.

Trade No.	Finish	Std. Pkg.	Wt. Lbs.	Price Each
20868	Painted	100	1½	\$0.75
20869	*Galvanized	100	1½	.85
20870	Extra key	25	1 oz	.20

ROPE CLEATS

Strong and neat (though no cleat with its coil of rope makes as neat a job as the rope clamp and pole lock). Has the edges rounded so as not to cut the rope.

20871	Galvanized	200	1	.30
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ROPE CLAMPS

Made of malleable iron, will readily clamp any size rope up to ¾-inch, enabling the end of the hoisting rope to be locked at the pole. Can be used over and over again when the rope wears out.

20872	Painted	400	¼	.18
20873	*Galvanized	400	¼	.22

½-INCH ROPE CLAMPS

Same as above, for ½-inch ropes.

20874	Painted	400	¾	.20
20875	*Galvanized	400	¾	.25

CHAIN CLAMPS

A neat, secure fastening, enabling the end of the hoisting chain to be locked to the pole. Made for No. 1 or No. 3 Oneida Chain.

20876	Painted	400	½	.18
20877	*Galvanized	400	½	.22

WEATHERPROOF LAMP ROPE

A fine braided cotton rope with a weatherproof finish, which keeps out the rain and makes it extra durable. We recommend the ¾ and ½-inch sizes for hoisting arc lamps, the ¼ and ⅝-inch for use with the swinging hoods and the ⅜-inch for the Always Level Streethood.

Trade No.	Size Inches	Wt., Lbs. Std. Pkg.	Approx. Wt. per 100 Ft. Lbs.	Price per Lb.
22340	¾	100	2	\$0.75
22341	½	100	2½	.75
22342	⅝	100	3½	.75
22343	⅜	100	5	.75
22344	½	100	8	.75

EBONY WIRE ROPE

A ¼-inch wire rope made of six flexible strands (each with soft center) around a flexible (black) center. The only wire rope really pliable enough to work freely with standard types of pulleys.

Trade No.	No. of Feet in Std. Pkg.	Approx. Wt. per 100 Ft. Lbs.	Price per Ft.
20883	1000	5	\$0.06

TRIMMER'S ROPE

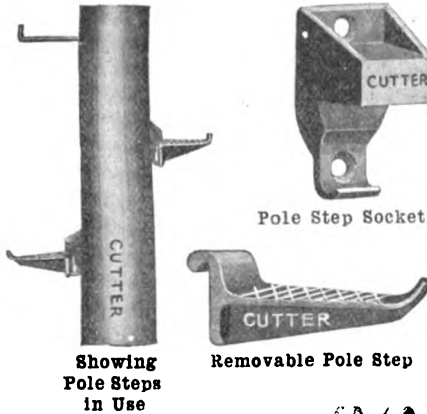
Trimmer's rope is a 30-foot hoisting rope, with a snap hook at one end and six rings near the other end. The rings can be readily clamped at any desired intervals, so as to accommodate lamps hung at varying heights above the street. Just the thing for use with hoisting ropes, ending in a Cutter Rope Clamp and locked with a Cutter Pole Lock.

Trade No.	Std. Pkg.	Wt. Lbs.	Price Each
20884	25	4	\$2.50

*Includes final coat of black enamel.

CUTTER POLE LINE MATERIAL

SCHEDULE F



REMOVABLE POLE STEPS

Removable pole steps are much more easily carried than a ladder. A pair of them weighs less than 14 ounces, and can be slipped into the pocket. The sockets for them are hooded over so as to be sleet-proof.

Trade No.	Description	Std. Pkg.	Wt. Lbs.	Price Each
20885	Pole step, painted	250	$\frac{7}{16}$	\$0.25
20886	Socket, painted	250	$\frac{7}{16}$	.15
20887	*Pole step, galvanized..	250	$\frac{7}{16}$	.30
20888	*Socket, galvanized....	250	$\frac{7}{16}$	.20

ORNAMENTAL POLE STEPS

Ornamental pole steps fit either round or octagonal poles. They are fastened in place by using a single lag screw and a nail.

20889	Painted	250	$\frac{13}{16}$	.15
20890	*Galvanized.....	250	$\frac{13}{16}$	.25

INSULATED FORKS

A wrought iron fork holds a heavy porcelain spool with $\frac{1}{16}$ -inch groove, which insulates the suspension wire or cable from the pole. Made for $\frac{1}{2}$ -inch lag screw. Prices do not include the lag screws.

20891	Painted	250	1	.25
20892	*Galvanized.....	250	1	.30

INSULATED SUSPENSION BOLTS

Consist of insulated fork with 12-inch bolt $\frac{1}{2}$ inch in diameter and having 6 inches of thread. Shipped complete, with nut and washer.

20893	Painted	200	2	.35
20894	*Galvanized.....	200	2	.45

INSULATED TURNBUCKLES

An insulated fork on each end; maximum spread, 24 inches; adjustment, 9 inches.

20895	Painted	50	6	1.40
20896	*Galvanized.....	50	6	1.60

WIRE ROPE INSULATORS

Wire rope insulators are looped into the hoisting rope just outside the pole pulley. Insulates the lamp end from the end within reach of the public. Made of steel, with hard rubber insulation and protecting ferrules.

20897	Eyes 4 inches apart. . .	200	$\frac{1}{4}$	.40
20898	Eyes 8 inches apart. . .	200	$\frac{1}{2}$	.55

GREEN HOOD PAINT

A dark green weatherproof paint for streethood tops, darker in color than that on Cutter Hoods, as it has to dry in the air. Takes a gallon for every eighty 18-inch hood tops.

20899.G	Gallon can.....	40	9	4.75
20900.G	2-gallon can.....	20	18	9.25
20901.G	5-gallon can.....	8	45	22.00

REFLECTOR ENAMEL

An extra fine air-drying enamel for streethood reflectors or tin shades. Not needed with Cutter Porcelainized Reflectors, but fine for all others. Takes a gallon for every 80 reflectors.

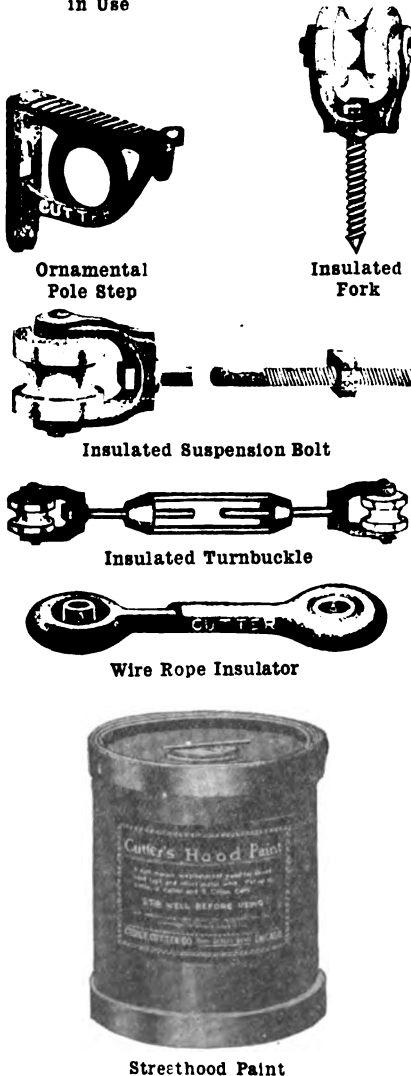
20902	Quart can.....	50	$2\frac{1}{2}$	2.00
20903	Half gallon can.....	30	5	3.50
20904	Gallon can.....	15	$8\frac{1}{2}$	6.25

PIPE PAINT

A glossy black paint for streethood goosenecks, mast arm pipes, arc fixtures and other metal work.

20905	Gallon can.....	40	13	1.25
20906	2-gallon can.....	20	25	2.25
20907	5-gallon can.....	8	63	5.50

*Includes final coat of black enamel.



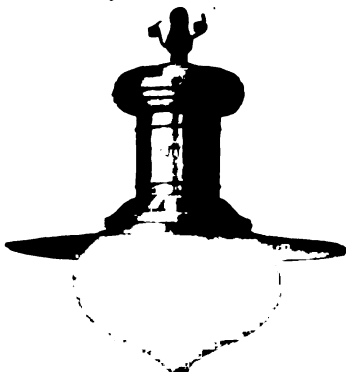
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER MAZDAARCS

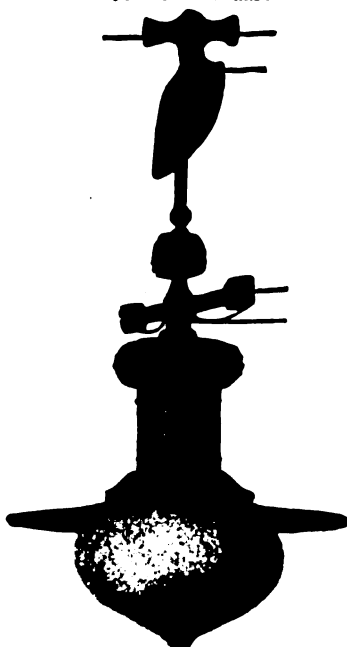
SCHEDULE G—STANDARD PACKAGE QUANTITY, 10 OF ONE TRADE NUMBER OR STYLE



Style AA Mazdaarc



Style CA Mazdaarc



Style DA Mazdaarc

These fixtures consist of ventilated copper casings with lamp grip sockets and supporting spindles adjustable vertically with respect to the reflector or globe. These features make them adapted for use with all types and sizes of lamps, including the Type C Mazda lamps.

The casings are finished in black enamel or mottled copper and the steel reflectors in porcelain enamel.

Combinations may be made for any requirement in store, factory or street lighting. Each fixture gives the appearance of an arc lamp, and furnishes a soft light at the efficiency of the Mazda lamp.

For series street lighting systems, reactance sockets may be used, the coils being mounted inside the casings and connected in parallel with the sockets, no regulating apparatus being required. For prices of reactance sockets, see another page.

STYLE AA

Designed especially for storelighting. Has an insulated ring for suspending from the ceiling and an Acorn Diffuser. If 9x13-inch Clear Ball Globe with a hole in the bottom is desired, deduct 50 cents list.

Black Enamel Finish			
Trade No.	Description	Wt. Lbs.	Price Each
21034A	Medium screw socket.....	18	\$8.70
21035A	Mogul Screw Socket.....	19	9.00
21036A	*Regent Film Socket.....	20	10.00
21037A	Without socket.....	17	8.20

Mottled Copper Finish			
Trade No.	Description	Wt. Lbs.	Price Each
21038A	Medium screw socket.....	18	9.45
21039A	Mogul Screw Socket.....	19	9.75
21040A	*Regent Film Socket.....	20	10.75
21041A	Without socket.....	17	8.95

STYLE CA

Similar to Style A, with 20-inch porcelain enamel reflector and Acorn Diffuser. 9x13-inch Diffusing Ball with a hole in the bottom will be furnished when ordered.

Black Enamel Finish			
Trade No.	Description	Wt. Lbs.	Price Each
21050A	Medium screw socket.....	21	10.70
21051A	Mogul Screw Socket.....	22	11.00
21052A	*Regent Film Socket.....	23	12.00
21053A	Without socket.....	20	10.20

Mottled Copper Finish			
Trade No.	Description	Wt. Lbs.	Price Each
21054A	Medium screw socket.....	21	11.45
21055A	Mogul Screw Socket.....	22	11.75
21056A	*Regent Film Socket.....	23	12.75
21057A	Without socket.....	20	10.95

STYLE DA

Style DA Mazdaarcs are for replacing arc lamps in street lighting. Consist of Style CA Mazdaarc with inner-wired iron cross-arm, high voltage insulator and lamp-supporting pulley. Shipped complete, as shown, without Mazda lamp.

If lamp-supporting pulley is not wanted, deduct \$1.45 from list. For mast arm pulley for 1¼ or 1½-inch (bore) pipe, add 20 cents to prices listed below.

Black Enamel Finish			
Trade No.	Description	Wt. Lbs.	Price Each
21058A	Medium screw socket.....	36	13.20
21059A	Mogul Screw Socket.....	37	13.50
21060A	*Regent Film Socket.....	38	14.50
21061A	Without socket.....	35	12.70

If mottled conner casing is wanted, add 75 cents to list. *Standard film socket shown on another page furnished in place of Regent when so ordered.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER SOL-LUX PENDANTS

FOR TYPE C LAMPS

SCHEDULE G—STANDARD PACKAGE QUANTITY, 10 OF ONE STYLE OR TRADE NUMBER



Sol-Lux Junior Pendant
with 18-inch Reflector
and Large Refractor



Sol-Lux Junior Pendant
with 18-inch Reflector
and Diffusing Bowl



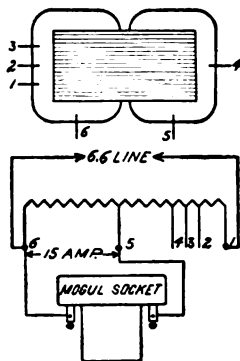
Sol-Lux Senior Pendant
with Clear Pear Shaped
Globe and Band Refractor

Cutter Sol-Lux Senior and Junior Pendants are the same in all respects except for the size of the lower part of the casing forming the reflector and glass holder. Compensators are used with either style. The upper part of the casing is made of iron with ornamental ribs forming ventilation for Type C lamps. The lower part of the casing is made of 20 gauge copper. All iron parts are finished with high grade weather resisting black enamel and copper parts in gun metal finish. Reflectors are made of steel and porcelain enameled.

The Junior Pendant has a hinged holder for Diffusing Bowl or Refractor or Sol-Lux Diffuser.

The Senior Pendant has a holder with bayonet attachment for pear shaped globes and is furnished with or without 24-inch reflectors as ordered.

Every Sol-Lux Pendant has external binding posts and is wired for 6.6 or 7.5 ampere line as specified. Compensators (auto-transformers) for 600 C. P. lamps have extra taps for 400 C. P. lamps. Likewise, compensators for 1000 C. P. lamps have extra taps for 600 C. P. lamps as indicated by diagrams below. Compensators for 400 C. P., 15 ampere lamps may be wired for 12 ampere lamps. Furnished with Cutter Mogul Lamp Grip Sockets.



216-182 Watt

Connect lamps to taps 5 and 6.

Connect one line to tap 6.

Connect other line to:

Tap 1 for 6.6 amp. line and 15

amp. lamp, 400 C. P.

Tap 2 for 7.5 amp. line and 15

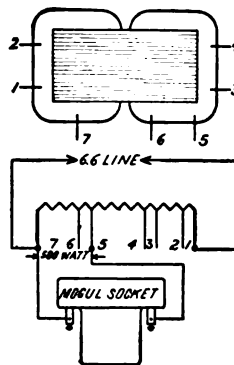
amp. lamp, 400 C. P.

Tap 3 for 6.6 amp. line and 12

amp. lamp, 400 C. P.

Tap 4 for 7.5 amp. line and 12

amp. lamp, 400 C. P.



300-500 Watt

For 500 W. (1000 C. P.) lamp connect socket to taps 5 and 7 and series line to taps 1 and 7 for 6.6 amp. service, and to taps 2 and 7 for 7.5 amp. service.

For 350 W. (600 C. P.) lamp connect socket to taps 6 and 7 and series line to taps 3 and 7 for 6.6 amp. service, and to taps 4 and 7 for 7.5 ampere service.

SOL-LUX JUNIOR PENDANTS WITH COMPENSATORS

With 18-inch Reflector and Large Holophane Refractor

For 400 C. P., 15-amp. Lamp			For 600 C. P., 20-amp. Lamp			For 1000 C. P., 20-amp. Lamp		
Trade No.	Wt. Lbs.	Price Each	Trade No.	Wt. Lbs.	Price Each	Trade No.	Wt. Lbs.	Price Each
22025	54	31.00	22026	58	32.25	22027	61	34.25
With 18-inch Reflector and Refractor Band								
22062	52	31.00	22063	56	32.25	22064	59	34.25
With 18-inch Reflector and Sol-Lux Diffuser								
22043	51	25.50	22044	55	26.75	22045	58	28.75
With 18-inch Reflector and Diffusing Bowl								
22052	54	26.00	22053	58	27.25	22054	61	29.25

SOL-LUX SENIOR PENDANTS WITH COMPENSATORS

Without Reflector but with Pear Shaped Opal Globe

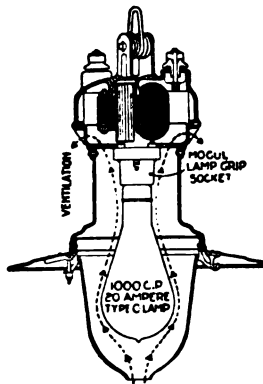
Without Reflector but with Pear Shaped Opal Globe			Without Reflector but with Pear Shaped Opal Globe			Without Reflector but with Pear Shaped Opal Globe		
Trade No.	Wt. Lbs.	Price Each	Trade No.	Wt. Lbs.	Price Each	Trade No.	Wt. Lbs.	Price Each
22031	45	23.75	22032	49	25.00	22033	52	27.00
With 24-inch Reflector and Pear Shaped Opal Globe								
22034	55	26.75	22035	59	28.00	22036	62	30.00
With 24-inch Reflector, Band Refractor and Clear Globe								
22046	59	33.25	22047	63	34.50	22048	66	36.50
Without Reflector but with Band Refractor and Clear Globe								
22072	49	30.25	22073	53	31.50	22074	56	33.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER SOL-LUX PENDANTS

FOR TYPE C LAMPS

SCHEDULE G—STANDARD PACKAGE QUANTITY, 10 OF ONE STYLE OR TRADE NUMBER

Style C Pendant
with Sol-Lux DiffuserSectional View
Sol-Lux Style C PendantStyle C Pendant
Showing Hinged Holder

Cutter Sol-Lux Style C Pendants are lighter in weight than the ordinary arc lamp, but of sufficient weight to prevent excessive swaying in the wind. Sturdy and simple construction, minimum number of parts, ample ventilation, external binding posts and insulated suspension ring, make these pendants ideal for street lighting purposes. They are practically indestructible. The casing is made entirely of high quality grey cast iron, and finished with weatherproof baked enamel. Equipped with Mogul Screw Lamp Grip Socket for multiple lamps or with compensators (auto transformers) for 15 and 20-ampere Type C Series Mazda Lamps. (Regent Film Sockets are furnished for straight series lamps).

Shipped complete as listed, with 18-inch porcelain enameled steel reflector, hinged holder for refractor or Sol-lux Diffuser and with or without glassware as ordered.*

SOL-LUX STYLE C PENDANTS WITHOUT COMPENSATORS

With Sol-Lux Diffuser

Mogul Screw Socket			Regent Film Socket		
Trade No.	Wt. Lbs. Each	Price Each	Trade No.	Wt. Lbs. Each	Price Each
22101	42	\$12.00	22102	43	\$13.00
With Large Holophane Refractor					
22103	48	17.50	22104	49	18.50
With Band Refractor					
22105	46	17.50	22106	47	18.50
*With Diffusing Bowl					
22107	45	12.50	22108	46	13.50
With Hinged Refractor Holder, Without Glassware					
22109	43	10.50	22110	44	11.50

SOL-LUX STYLE C PENDANTS WITH COMPENSATORS
AND MOGUL SCREW SOCKETS

State on order how fixture is to be wired for line and lamp. See wiring diagrams on preceding page.

With Sol-Lux Diffuser

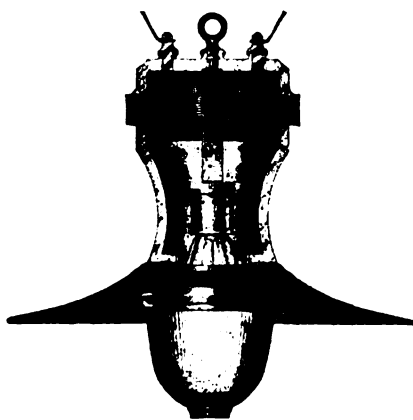
For 400 C. P. 15-amp. Lamp			For 600 C. P. 20-amp. Lamp			For 1000 C. P. 20-amp. Lamp		
Trade No.	Wt. Lbs. Each	Price Each	Trade No.	Wt. Lbs. Each	Price Each	Trade No.	Wt. Lbs. Each	Price Each
22139	45	\$21.00	22140	47	\$22.25	22141	52	\$24.25
With Large Holophane Refractor								
22142	51	26.50	22143	53	27.75	22144	58	29.75
With Band Refractor								
22145	49	26.50	22146	51	27.75	22147	56	29.75
*With Diffusing Bowl								
22148	48	21.50	22149	50	22.75	22150	55	24.75
With Hinged Refractor Holder, Without Glassware								
22155	48	19.50	22156	48	20.75	22157	53	22.75

*Diffusing bowls are fastened with thumb screws; all other glassware with hinged holders.

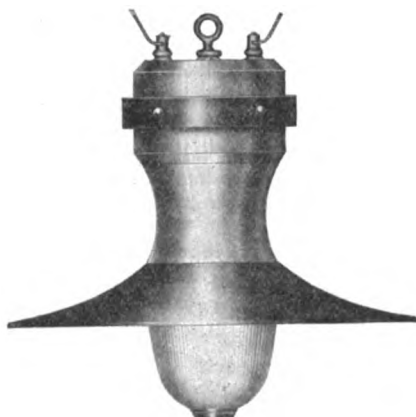
Style C Pendant with Large
Holophane RefractorStyle C Pendant
with Diffusing Bowl

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

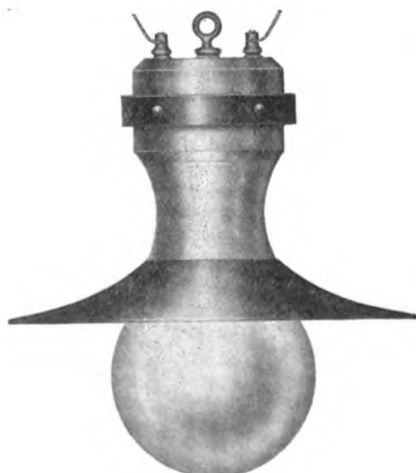
LINE MATERIAL CO. INCANDESCENT STREET FIXTURES



Sectional View



Nos. 9310 to 9317



Nos. 9320 to 9327

9000 TYPE

The casing, or hood, is made of one piece of porcelain, brown glazed, which presents a pleasing appearance to the eye. It cannot rust or deteriorate and affords more than sufficient insulation for all purposes.

The bowl shaped 20-inch porcelain enameled reflector used on this fixture is efficient, and easily cleaned.

The terminals are set into the porcelain casing and made with two screw connections that will hold the line wires securely.

Two long threaded bolts which run through entire fixture, permit the attachment of any size or make compensator and the adjustment of socket to any desired position.

Furnished with a compensator for the 400, 600 and 1000 C. P., 15 or 20-ampere lamps or the fixture can be used without a compensator.

A refractor or a white globe can be used, or the fixture may be installed without either.

The cold air enters just below the lamp base, passes around the socket and reactance coil and out through the side of the fixture.

Parts of this type of fixture are interchangeable with the 4000 type.

FIXTURES WITH BOWL REFLECTOR ONLY

		With Compensator	
Trade No.	Mfrs. No.	Description	Price Each
133836	9301	For 400-c.p., 15-amp. lamp, 60 cycles.....	\$18.00
133837	9302	For 600-c.p., 20-amp. lamp, 60 cycles.....	19.00
133838	9303	For 1000-c.p., 20-amp. lamp, 60 cycles.....	21.00
		Without Compensator	
133839	9305	Medium screw socket.....	10.50
133840	9306	Mogul Base Socket.....	10.80
133841	9307	Series cut-out socket.....	11.50

FIXTURES COMPLETE WITH REFRACTOR AND BUG SCREEN

		With Compensator	
Trade No.	Mfrs. No.	Description	Price Each
133842	9310	For 400-c.p., 15-amp. lamp, 60 cycles.....	25.50
133843	9311	For 600-c.p., 20-amp. lamp, 60 cycles.....	26.50
133844	9312	For 1000-c.p., 20-amp. lamp, 60 cycles.....	28.50
		Without Compensator	
133845	9315	Medium screw socket.....	18.00
133846	9316	Mogul Base Socket.....	18.30
133847	9317	Series cut-out socket.....	18.80

FIXTURES COMPLETE WITH WHITE GLOBE AND BUG SCREEN

		With Compensator	
Trade No.	Mfrs. No.	Description	Price Each
133848	9320	For 400-c.p., 15-amp. lamp, 60 cycles.....	21.25
133849	9321	For 600-c.p., 20-amp. lamp, 60 cycles.....	22.25
133850	9322	For 1000-c.p., 20-amp. lamp, 60 cycles.....	24.25
		Without Compensator	
133851	9325	Medium screw socket.....	13.75
133852	9326	Mogul Base Socket.....	14.05
133853	9327	Series cut-out socket.....	14.75

In ordering these fixtures, always specify the amperage of the line and of the lamp, also the candle power of the lamp.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WHEELER SERIES MAZDA STREET FIXTURES

SCHEDULE F

FOR HIGH EFFICIENCY MAZDA C LAMPS

WITH PORCELAIN RECEPTACLE HEAD, CORRUGATED REFLECTORS AND DIFFUSING GLOBES
OR PRISMATIC GLASS REFRACTORS

High tension porcelain receptacle head for inner or outside wiring. Cast crown tapped for $\frac{3}{4}$ inch or $1\frac{1}{4}$ inch iron pipe or with suspension loop cast in one piece with it, and with cross-arms for mast arm suspension. Cast skirt with brass set screws bearing against galvanized seating ring to support reflector. Porcelain enameled steel reflector having annular corrugations and ventilating bug screen skirt. Globe or refractor holder attached to reflector by hinge and spring catch.

With Diffusing Globe

The following have 20-inch porcelain enameled steel reflector with annular corrugations and ventilating bug screen skirt; 8x10 inch opal globe supported by brass set screws, with copper over-collar to protect lip of globe. For 250, 400 and 600 C. P. series lamps.



No. 3044

Trade No.	Mfrs. No.	Description	Price Each
113251	3044	With suspension loop, reflector and globe . . .	\$6.40
113252	3049	With suspension loop and reflector, without globe	4.65
113253	3054	With suspension loop, cross-arms, reflector and globe	6.55
113254	3059	With suspension loop, cross-arms and reflector, without globe	4.80

The following are the same as above with ventilating bug screen globe holder but without reflector.

113264	3076	Body with crown tapped for $\frac{3}{4}$ -inch pipe, holder without globe	3.80
113265	3077	Body with crown tapped for $1\frac{1}{4}$ -inch pipe, holder without globe	3.80
113266	3072	Fixture with suspension loop, holder and globe	5.55
113267	3073	Fixture with suspension loop, holder, without globe	3.80
113268	3074	Fixture with suspension loop, cross-arms, holder and globe	5.70
113269	3075	Fixture with suspension loop, cross-arms, holder without globe	3.95

For Prismatic Glass Refractor

The following are the same as above, with 20-inch reflector having annular corrugations, ventilating bug screen skirt and holder for $8\frac{1}{2}$ -inch refractor. For 250, 400 and 600 C.P. series lamps.

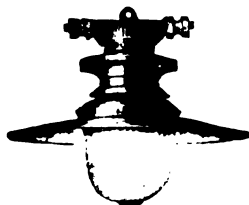
113270	3062	Fixture with suspension loop, reflector and holder, without refractor	5.65
113271	3063	Fixture with suspension loop and cross-arms reflector and holder, without refractor	5.80

The following are the same as above with 18-inch reflector having annular corrugations, ventilating bug screen skirt and holder for $6\frac{1}{2}$ -inch refractor. For 60, 80 and 100 C.P. series lamps.

113272	3065	Body with crown tapped for $\frac{3}{4}$ -inch pipe, reflector and holder, without refractor	5.30
132951	3066	Body with crown tapped for $1\frac{1}{4}$ -inch pipe, reflector and holder, without refractor	5.30

Prices do not include prismatic glass refractors.
Above fixtures are designed for series lighting with sockets No. 25711 only, as receptacles form part of the porcelain receptacle head.

Prices do not include sockets or lamps.



No. 3063

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CUTTER SOL-LUX FIXTURES

FOR TYPE C LAMPS—BRACKET STYLES
SCHEDULE H—STANDARD PACKAGE QUANTITY,
20 OF ONE STYLE OR TRADE NUMBER

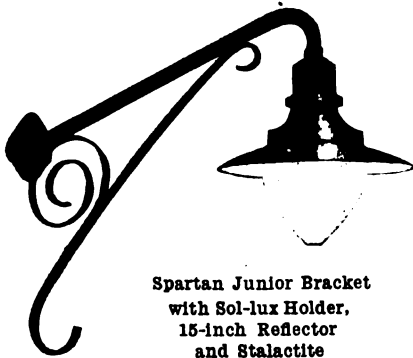
For 500-watt or smaller Type C lamps, use 6x10-inch opal globe or 6x8-inch Stalactite; for larger lamps, use 8x12-inch opal globe or Acorn Diffuser.

STANDARD BRACKETS WITH SOL-LUX HOLDERS

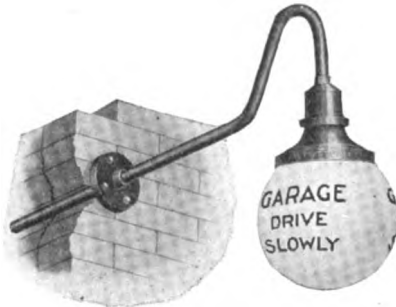
A simple form of bracket suspension, consisting of a 3-foot gooseneck of $\frac{1}{2}$ -inch pipe, with grooved wall plate, for inner wiring. The Sol-lux Holder attached to outer end is made of copper with gun metal finish. Furnished with Cutter Grip Sockets, but not wired.



Standard
Bracket with
Sol-lux Holder
and Opal Globe



Spartan Junior Bracket
with Sol-lux Holder,
15-inch Reflector
and Stalactite



Wall Bracket with
Sol-lux Holder and
Opal Globe



Entrance
Bracket with
Concentric
Reflector and
Opal Globe

Description	Med. Screw Skt.		Mogul Screw Skt.	
	Wt., Lbs. Each	Trade No.	Price Each	Trade No. Price Each
With 6x10-in. opal globe...	15	30037	\$5.60	30038 \$5.80
With 6x8-in. Stalactite...	15	30039	5.10	30040 5.30
With 8x12-in. opal globe...	17	30041	6.05	30042 6.25
With 6-in. holder only...	7	30043	3.85	30044 4.05
With 8-in. holder only...	7½	30045	4.05	30046 4.25

For galvanized gooseneck, add 20 cents list; for galvanized pole plate, add 10 cents list. For sign on globe of less than 20 letters, add \$1.50 list; for 20 or more letters, add \$3.00 list.

SPARTAN JUNIOR BRACKETS WITH SOL-LUX HOLDERS

An artistic and substantial bracket which holds the lamp 3 feet from the wall. Made of $\frac{1}{2}$ -inch (bore) pipe, with wrought iron scrolls and grooved wall plate. The Sol-lux Holder is made of copper and supplied in gun metal finish. Shipped complete with Cutter Grip Sockets, but not wired.

With 6x10-in. opal globe...	23	30047	7.20	30048 7.40
With 6x8-in. Stalactite...	23	30049	6.70	30050 6.90
With 8x12-in. opal globe...	25	30051	7.65	30052 7.85

For 6-inch Universal Holder, deduct \$1.25 from list with 6-inch Sol-lux Holder; for 8-inch Universal Holder, deduct \$1.25 from list with 8-inch Sol-lux holder. For 6x15-inch reflector, add \$1.25 to list; for 8x18-inch reflector, add \$2.00.

For galvanized bracket, add 70 cents list. For sign on globe, add \$1.50 list for less than 20 letters; \$3.00 list for 20 or more.

WALL BRACKETS WITH SOL-LUX HOLDERS

Consists of a 4-foot gooseneck of $\frac{1}{2}$ -inch pipe with wall flange, allowing the pipe to extend 1 foot inside the wall and 3 feet outside. Furnished complete, with Cutter Grip Socket, but not wired.

With 6x10-in. opal globe...	16	30057	6.00	30058 6.20
With 6x8-in. Stalactite...	16	30059	5.50	30060 5.70
With 8x12-in. opal globe...	18	30061	6.45	30062 6.65
With 6-in. holder only...	8	30063	4.25	30064 4.45
With 8-in. holder only...	7½	30065	4.45	30066 4.65

For galvanized gooseneck, add 25 cents list; for galvanized wall flange, add 15 cents list. For sign on globe, add \$1.50 for less than 20 letters; \$3.00 list for 20 or more.

ENTRANCE BRACKETS

With Sol-lux Holder (4-inch Fitter) and 20-inch Concentric Dome Reflector

Consists of a 4-foot gooseneck of $\frac{3}{4}$ -inch pipe, terminating in a vertical piece of $\frac{1}{2}$ -inch pipe, which allows hood to be raised for making connections. The wall flange slips over the pipe and fastens with set screw.

With 8x12-in. opal globe...	37	30067	11.95	30068 12.15
With 4-in. holder only...	24	30071	6.25	30072 6.45
With reflector, without globe.....	27	30073	8.85	30074 9.05

For galvanized bracket, add \$1.00 list.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CEDAR POLES



IN ORDERING, PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

N. W. C. A. SPECIFICATIONS COVERING NORTHERN WHITE CEDAR POLES**Standard Telegraph, Telephone and Electric Light Poles—Sizes 4-inch 20-foot and Upward**

4-inch 20-foot poles circumference measurement at top end, 12 inches for seasoned stock and $12\frac{1}{2}$ inches for green or water-soaked stock; 5-inch top and larger 20-foot poles take same circumference top measurement as longer poles of same size. Lengths may be 2 inches scant. 18 and 20-foot poles, 4-inch crook one way allowed, the sweep to be measured from a point 4 feet from the butt. Pipe holes in top allowed. Must be cut from live timber. Green, fresh cut or water-soaked stock must be plump measure for the diameter or circumference specified.

4-inch 25-foot poles and upward must be cut from live growing timber, peeled and reasonably well-proportioned for their length. Tops must be reasonably sound, must measure in circumference as follows: Seasoned 4-inch poles, 12 inches; 5-inch poles, 15 inches; 6-inch poles, $18\frac{1}{2}$ inches; 7-inch poles, 22 inches. If poles are green, fresh cut or water-soaked, then 4-inch poles must measure $12\frac{1}{2}$ inches; 5-inch poles, 16 inches; 6-inch poles, $19\frac{1}{2}$ inches, and 7-inch poles, $22\frac{3}{4}$ inches in circumference at top end. Lengths may be $\frac{1}{2}$ inch scant for each 5 feet in length and 6 inches long for any length from 20 feet up.

One way sweep allowable not exceeding one inch for every 5 feet; for example, in a 25-foot pole, sweep not to exceed 5 inches and in a 40-foot pole, 8 inches. Measurement for sweep shall be taken as follows: That part of the pole when in the ground (6 feet) not being taken into account in arriving at sweep, tightly stretch a tape line on the side of the pole where the sweep is greatest, from a point six feet from the butt to the upper surface at top, and having so done, measure widest point from tape to surface of pole, and if, for illustration, upon a 25-foot pole said widest point does not exceed 5 inches, said pole comes within the meaning of these specifications. Butt rot in the center, including small ring rot outside of the center; total rot must not exceed 10 per cent of the area of the butt. Butt rot of a character which plainly seriously impairs the strength of the pole above ground is a defect. Wind twist is not a defect unless very unsightly and exaggerated. Rough, large knots, if sound and trimmed smooth, are not a defect.

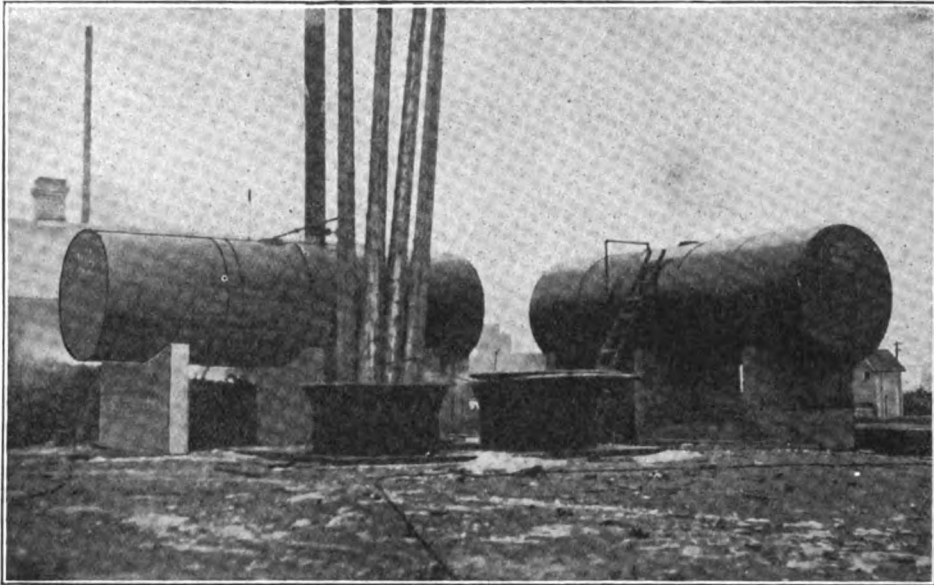
W. R. C. A. SPECIFICATIONS COVERING WESTERN RED CEDAR POLES**Standard Telephone, Telegraph and Electric Light Poles—Sizes 4-inch 20-foot and Upward**

All poles must be cut from live growing cedar timber, peeled, knots trimmed close, butts and top sawed square. Tops must be sound and must measure as follows in circumference: 4-inch poles, 12 inches; 5-inch poles, 15 inches; 6-inch poles, $18\frac{1}{2}$ inches; 7-inch poles, 22 inches; 8-inch poles, 25 inches; 9-inch poles, 28 inches; 10-inch poles, 31 inches in circumference at top end.

No pole shall have more than one crook and this shall be one way only, the sweep not to exceed 1 inch to every 6 feet in length; same to be determined in the following manner: Measurement for sweep shall be taken as follows: That part of the pole when in the ground (6 feet) not being taken into account in arriving at sweep, tightly stretch a tape line on the side of the pole where the sweep is greatest, from a point 6 feet from the butt to the upper surface at top, and having so done, measure widest point from top to surface of pole, and if, for illustration, upon a 30-foot pole said widest point does not exceed 5 inches, said pole comes within the meaning of these specifications. Butt rot in center, including small ring rot, shall not exceed 10 per cent of the area of the butt. Butt rot of a character which impairs the strength of the pole above ground is a defect. Large knots, if sound and trimmed smooth, are not a defect. A perfectly sound, dead or dry streak shall not be considered a defect when it does not materially impair the strength of the pole.

CEDAR POLES

BUTT TREATED POLES



Thorough and efficient butt treatment of cedar poles by the open tank method doubles the life of the poles.

Complete specifications as follows, covering every detail of this treatment, will be mailed you on request. Ask for

V-C Specification A, stipulating use of the highest grade of Carbolineum.

V-C Specification AA, stipulating use of the highest grade of Creosote.

V-C Specification B hot and cold highest grade of Creosote.

Standard Heights of Treatment and Ground Line

Length of Poles	Ground Line	Height of Treatment
16, 18 and 20-foot	3½ feet	5 feet
25-foot	4½ feet	6 feet
30-foot	5½ feet	7 feet
35 and 40-foot	6 feet	7 feet 6 inches
45, 50 and 55-foot	6 feet 6 inches	8 feet
60-foot	7 feet	8 feet 6 inches
65, 70, 75 and 80-foot	7 feet 6 inches	9 feet

Prices quoted on application.

APPROXIMATE NUMBER OF NORTHERN WHITE CEDAR POLES FOR CARLOAD

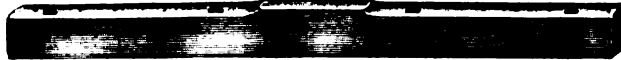
Size	Minimum Number	Maximum Number	Size	Minimum Number	Maximum Number
4-in. 16-ft.	315	600	7-in. 25-ft.	70	140
5-in. 16-ft.	250	450	5-in. 30-ft.	90	170
4-in. 18-ft.	275	500	6-in. 30-ft.	70	135
5-in. 18-ft.	210	400	7-in. 30-ft.	60	100
4-in. 20-ft.	275	500	8-in. 30-ft.	45	75
5-in. 20-ft.	200	400	6-in. 35-ft.	70	110
6-in. 20-ft.	140	275	7-in. 35-ft.	35	75
4-in. 25-ft.	175	325	8-in. 35-ft.	40	65
5-in. 25-ft.	130	275	7-in. 40-ft.	40	65
6-in. 25-ft.	100	180	8-in. 40-ft.	30	50

Double Load

7-in. 45-ft.	50	80	8-in. 45-ft.	40	65
APPROXIMATE NUMBER OF WESTERN RED CEDAR POLES FOR CARLOAD					
6-in. 30-ft.	100	170	7-in. 35-ft.	80	110
7-in. 30-ft.	100	125	8-in. 35-ft.	65	95
8-in. 30-ft.	80	100	7-in. 40-ft.	90	100
6-in. 35-ft.	100	125	8-in. 40-ft.	65	90
Double Load					
7-in. 45-ft.	80	110	8-in. 55-ft.	50	65
8-in. 45-ft.	70	90	8-in. 60-ft.	45	60
7-in. 50-ft.	65	85	8-in. 65-ft.	35	50
8-in. 50-ft.	60	75	8-in. 70-ft.	30	45

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WASHINGTON FIR AND YELLOW PINE CROSS-ARMS



Specifications

Yellow Douglas fir: Straight-grained; close-grained, 85 per cent heart, free from bark, shakes, rot, rotten or unsound knots, loose heart, worm holes, large pitch-pockets, checks or wane, or sound knots larger than $\frac{3}{4}$ inch in diameter.

Mississippi Yellow pine: Genuine Mississippi long-leaf yellow pine, guaranteed every arm at least 75 per cent heart (or all heart, if so specified), and free from defects, except small, sound knots, not over 1 inch in diameter, measurements to be made at right angles to the longitudinal axis of the knot.

Standard grade yellow pine: Free from loose or unsound knots, or other defects which would injure the arm. Painted red or dipped in hot creosote oil.

ELECTRIC LIGHT ARMS, $3\frac{1}{2} \times 4\frac{1}{4}$ INCHES

Fir		Pine		Length	No. of Pins	SPACINGS, INCHES		End	Length of Brace Inches	Price, per 100 Arms
Trade No.	Wt., Lbs. per Arm	Trade No.	Wt., Lbs. per Arm			Center	Side			
07149	10.2	083514	13.2	3 ft.	2	28	....	4	25	\$39.375
07150	13.6	083515	17.6	4 ft.	4	16	12	4	28	52.50
07151	17	083516	22.	5 ft.	4	18	17	4	28	65.625
07152	20.4	083517	26.4	6 ft.	4	22	21	4	32	78.75
07153	20.4	083518	26.4	6 ft.	6	16	12	4	32	78.75
07154	27.2	083519	35.2	8 ft.	6	18	$17\frac{1}{2}$	4	32	105.00
07155	27.2	083520	35.2	8 ft.	8	16	12	4	32	105.00
07156	28.9	083521	37.4	$8\frac{1}{2}$ ft.	10	16	$9\frac{3}{4}$	4	32	111.56
07157	34	083522	44	10 ft.	8	$17\frac{1}{2}$	$15\frac{3}{4}$	4	42	131.25
07158	34	083523	44	10 ft.	10	16	12	4	42	131.25
60126	34	121422	44	10 ft.	12	16	$9\frac{5}{8}$	$3\frac{7}{8}$	42	131.25

RAILROAD ARMS, $3 \times 4\frac{1}{4}$ INCHES

071231	19.2	083525	24.6	6 ft.	4	22	21	4	32	73.125
37601	19.2	37625	24.6	6 ft.	6	16	12	4	32	73.125
071232	25.6	083526	32.8	8 ft.	6	18	$17\frac{1}{2}$	4	32	97.50
37602	25.6	37626	32.8	8 ft.	8	16	12	4	32	97.50
071233	32	083527	41	10 ft.	8	$17\frac{1}{2}$	$15\frac{3}{4}$	4	42	121.875
37603	32	37627	41	10 ft.	10	16	12	4	42	121.875

TELEPHONE ARMS, $2\frac{3}{4} \times 3\frac{3}{4}$ INCHES

07160	5	083528	6.5	24 in.	2	18	....	3	..	20.00
07161	6.25	083529	$8\frac{1}{8}$	30 in.	2	24	....	3	..	25.00
60124	7.5	121407	9.75	36 in.	2	30	....	3	25	30.00
07163	8.75	083531	$11\frac{3}{8}$	42 in.	4	16	10	3	28	35.00
07164	13	083532	16.8	62 in.	6	16	10	3	28	51.67
07165	17	083533	22.2	82 in.	8	16	10	3	28	68.33
07166	21.25	083534	$27\frac{5}{8}$	102 in.	10	16	10	3	28	85.00
60125	25	121408	32.5	120 in.	12	16	$9\frac{5}{8}$	$3\frac{7}{8}$	28	100.00

N. E. L. A. ARMS, $3\frac{1}{2} \times 4\frac{1}{2}$ INCHES

37604	$12\frac{2}{3}$	37628	15.83	38 in.	2	30	....	4	28	47.00
071234	$22\frac{1}{3}$	083536	27.92	67 in.	4	30	$14\frac{1}{2}$	4	38	82.88
071235	32	083537	40	96 in.	6	30	$14\frac{1}{2}$	4	38	118.75
071236	$36\frac{2}{3}$	083538	45.83	110 in.	8	30	12	4	38	136.07

SPECIAL ARMS

Fir		Pine		Size Inches	Price, per Lin. Ft.	Fir		Pine		Size Inches	Price, per Lin. Ft.
Trade No.	Wt., Lbs. per Lin. Ft.	Trade No.	Wt., Lbs. per Lin. Ft.			Trade No.	Wt., Lbs. per Lin. Ft.	Trade No.	Wt., Lbs. per Lin. Ft.		
60113	2.5	121409	3.25	$2\frac{3}{4} \times 3\frac{3}{4}$	\$0.10	60118	4.7	121416	5.95	$3\frac{3}{4} \times 5$	\$0.1750
60112	3.2	121410	4.1	$3 \times 4\frac{1}{4}$	.12187	60119	5.4	121417	6.8	$3\frac{3}{4} \times 5\frac{3}{4}$	.20
60111	3.4	121411	4.4	$3\frac{1}{4} \times 4\frac{1}{4}$	.13125	60120	5	121418	6.33	4 x 5	.18594
60114	4	121412	5	$3\frac{1}{2} \times 4\frac{1}{2}$	.14844	60121	6	121419	7.52	4 x 6	.22135
60115	4.2	121413	5.3	$3\frac{1}{2} \times 4\frac{3}{4}$	.15625	60122	6.7	121420	8.5	$4\frac{3}{4} \times 5\frac{3}{4}$	.25
60116	4.4	121414	5.57	$3\frac{1}{2} \times 5$	.16406	60123	7.3	121421	9.29	5 x 6	.27344
60117	4.5	121415	5.67	$3\frac{3}{4} \times 4\frac{3}{4}$	.16667	.....	.....	.....	.....	.....	.....

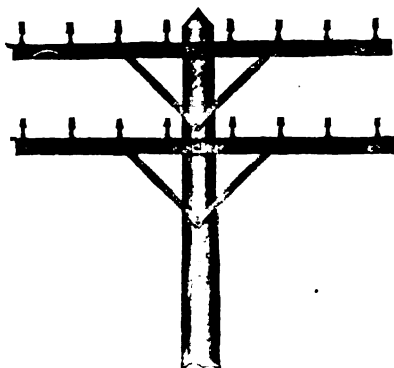
In ordering cross-arms be very careful to specify just what is wanted, and if other than standard boring, send sketch or blue print with order. Arms specially made are of no use for general stock and cannot be returned if mistake is made in ordering.

All arms bored for one $\frac{5}{8}$ -inch center bolt unless otherwise specified.

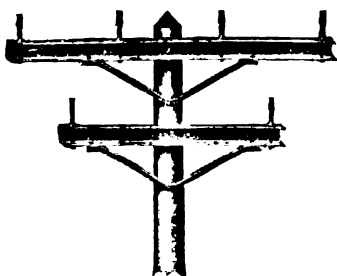
Pin holes will be bored, unless otherwise specified, as follows: Electric light arms, $1\frac{1}{2}$ -inch; railroad arms, $\frac{5}{8}$ -inch; telephone arms, $1\frac{1}{4}$ -inch; N. E. L. A. arms, $1\frac{1}{2}$ -inch. Any change required from standard spacings, pin holes or bolt holes as here given, must be distinctly specified on the order.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

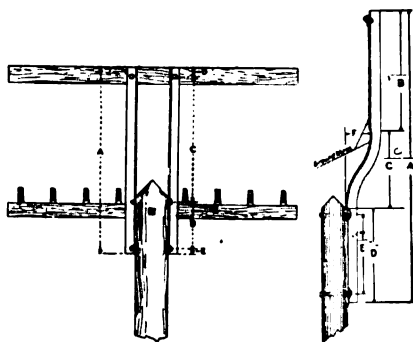
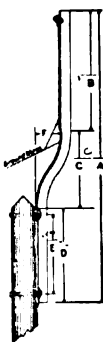
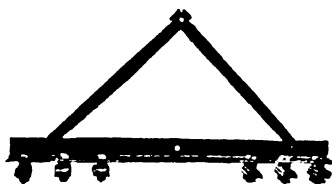
HUBBARD CROSS-ARMS



Steel Angle Cross-Arms



Steel Channel Cross-Arms

Pole Extension
AngleOffset
Bayonet

Steel Cable Arm

STEEL ANGLE CROSS-ARMS

Telephone

With holes for $\frac{1}{2}$ -inch steel pins, $\frac{5}{8}$ -inch through bolts and $\frac{3}{8}$ -inch brace bolts.

Trade No.	No. of Pins	Lgth. Inches	PIN SPACING, IN.		Dimensions Inches	Wt. Lbs.	Price Each
			Pole Pins	Side Pins			
99595	2	20	16	10	3x2x $\frac{3}{8}$	51 $\frac{1}{4}$	\$0.38 $\frac{1}{2}$
99596	4	40	16	10	3x2x $\frac{3}{8}$	10 $\frac{1}{4}$	.75
99597	6	60	16	10	3x3x $\frac{1}{4}$	15 $\frac{1}{2}$	1.05
99598	8	80	16	10	3x3x $\frac{1}{4}$	32 $\frac{3}{4}$	2.20
99599	10	100	16	10	3x3x $\frac{1}{4}$	41	2.71

Electric Light—N. E. L. A. Standard Spacing

With holes for $\frac{3}{4}$ -inch steel pins, $\frac{5}{8}$ -inch through bolts and $\frac{3}{8}$ -inch brace bolts.

99600	2	36	30	....	3x3x $\frac{1}{4}$	14 $\frac{3}{4}$	1.02
99601	4	65	30	14 $\frac{1}{2}$	3x3x $\frac{1}{4}$	26 $\frac{1}{2}$	1.78
99602	6	94	30	14 $\frac{1}{2}$	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x $\frac{3}{8}$	56 $\frac{1}{2}$	3.67
99603	8	108	30	12	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x $\frac{3}{8}$	65	4.22

STEEL CHANNEL CROSS-ARMS

Electric Light—N. E. L. A. Standard Spacing

With holes for $\frac{3}{4}$ -inch steel pins, $\frac{5}{8}$ -inch through bolts and $\frac{3}{8}$ -inch brace bolts.

99604	2	36	30	....	4x1 $\frac{1}{2}$ x $\frac{3}{8}$	15 $\frac{3}{4}$	1.11
99605	4	65	30	14 $\frac{1}{2}$	4x1 $\frac{1}{2}$ x $\frac{3}{8}$	28 $\frac{1}{2}$	1.99
99606	6	94	30	14 $\frac{1}{2}$	4x1 $\frac{3}{4}$ x $\frac{1}{2}$	57	3.82
99607	8	108	30	12	4x1 $\frac{3}{4}$ x $\frac{1}{2}$	64 $\frac{1}{4}$	4.40

Power

With holes for $\frac{3}{4}$ -inch steel pins, $\frac{5}{8}$ -inch through bolts and $\frac{3}{8}$ -inch brace bolts.

99608	2	52	48	....	4x1 $\frac{1}{2}$ x $\frac{3}{8}$	22 $\frac{3}{4}$	1.59
99609	2	76	72	....	4x1 $\frac{1}{2}$ x $\frac{3}{8}$	33 $\frac{1}{4}$	2.30
99610	4	76	24	24	4x1 $\frac{3}{4}$ x $\frac{1}{2}$	46	3.12
99611	4	112	36	36	4x1 $\frac{3}{4}$ x $\frac{1}{2}$	67 $\frac{3}{4}$	4.49

The above prices are for arms only, without pins, braces or bolts.

POLE EXTENSION ANGLES

Standard size to raise arm 42 inches above bell arm is listed, but can be furnished to any dimensions desired. In ordering, refer to letters on illustration.

Trade No.	Total Length Inches	Size Angle Inches	Holes for Bolts Inches	Wt., Lbs. per Pair	Price per Pair
99612	70	3x3x $\frac{1}{4}$	$\frac{5}{8}$	57	\$3.10

OFFSET BAYONETS

Without Clamp With Clamp

DIMENSIONS, INCHES						Without Clamp		With Clamp	
Length	A	B	C	D	E F	Wt. Lbs.	Price Each	Wt. Lbs.	Price Each
81	81	34	21 $\frac{1}{2}$	26 $\frac{1}{2}$	22	7	29	99613	\$1.70
								99614	\$1.85

Other sizes furnished on request.

STEEL CABLE ARMS

Trade No.	No. of Cables	Length Inches	SPACING BETWEEN CABLES, IN.		Angle Inches	Wt. Lbs.	Price Each
			Middle	Side			
99615	4	36	20	6	3x3x $\frac{1}{4}$	22	\$1.75
99616	6	48	20	6	3x3x $\frac{1}{4}$	30	2.35
99617	4	36	20	6	5x3x $\frac{5}{8}$	32	2.40
99618	6	48	20	6	5x3x $\frac{5}{8}$	44	3.35

The last two sizes are A. T. T. standards.

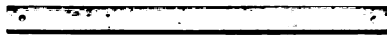
Prices cover arms complete with clamps and bolts, without braces.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CROSS-ARM BRACES

Plain and Galvanized

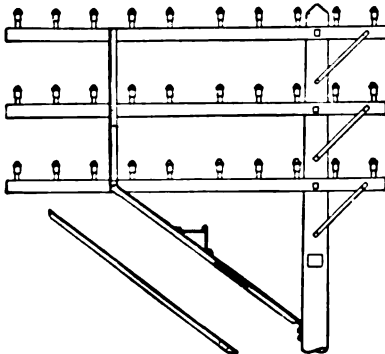
FLAT BRACES



Flat Brace



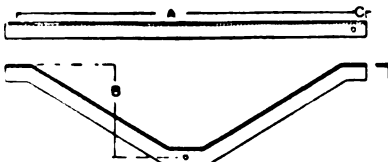
Back Brace



Alley Arm Brace



Vertical Brace



Double Span Angle Brace

Trade No.	Length Inches	Std. Pkg.	Wt., Lbs. per 1000	Price per 1000
1x1/4-inch Plain				
053744	20	20	1000	\$50.00
053745	22	20	1100	55.00
75603	24	20	1200	60.00
1 1/2 x 1/4-inch				
053747	20	20	1420	71.00
053748	22	20	1560	78.00
053749	24	20	1700	85.00
053750	26	20	1840	92.00
053751	28	20	1980	99.00
053752	30	20	2120	106.00
1 1/2 x 1/4-inch				
053753	20	20	1670	83.50
053754	22	20	1835	91.75
053755	24	20	2000	100.00
053756	26	20	2165	108.25
053757	28	20	2335	116.75
053758	30	20	2500	125.00

Braces are punched with a $\frac{3}{8}$ and a $\frac{1}{8}$ -inch hole 1 inch from each end.

BACK BRACES

Trade No.	Size Inches	Length Feet	Style	Wt., Lbs. per 100	Price per 100
42157	1 1/2 x 3/8	6	Flat	1210	\$118.00
42141	1 1/2 x 1 1/2 x 1/8	4	Angle	550	78.00
42142	1 1/2 x 1 1/2 x 1/8	5	Angle	690	100.00
42143	1 1/2 x 1 1/2 x 1/8	6	Angle	830	111.00

ALLEY ARM BRACES

Angle Iron, with Forged Ends and Step

Trade No.	Size Inches	Length Feet	Wt., Lbs. per 100	Price per 100
42147	1 1/2 x 1 1/2 x 1/8	5	750	\$147.00
42148	1 1/2 x 1 1/2 x 1/8	5	1050	160.00
75613	1 3/4 x 1 3/4 x 3/8	5	1280	185.00
42149	1 1/2 x 1 1/2 x 3/8	6	1240	177.00
42150	1 1/2 x 1 1/2 x 1/8	7	1410	207.00
42151	1 3/4 x 1 3/4 x 3/8	7	1725	213.00
75615	2 x 2 x 1/4	10	3500	445.00

Alley braces are punched with $\frac{3}{8}$ -inch holes, one for attaching to cross-arm and two for attaching to pole.

VERTICAL BRACES

Angle Iron—1/4-inch Holes, 18-inch Centers, 1 1/2 x 1 1/2 x 1/8-inch

Trade No.	No. of Arms	Wt., Lbs. per 100	Price per 100
055995	2	210	\$33.50
055996	3	410	59.00
055997	4	610	96.00
1 1/2 x 1 1/2 x 1/8-inch			
055992	2	315	44.50
055993	3	525	83.00
055994	4	870	132.00

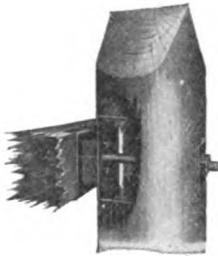
DOUBLE SPAN ANGLE BRACES

Angle Iron—1/4-inch Holes, 1 1/2 x 1 1/2 x 1/8-inch

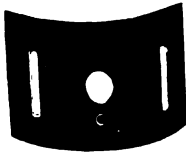
Trade No.	DIMENS., INCHES	Wt. Lbs.	Price per 100
	A B		
75617	42 12	780	\$111.00
75618	48 14	890	126.00
75619	60 18	1110	131.00
75620	66 20	1220	153.00
75621	72 22	1330	196.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

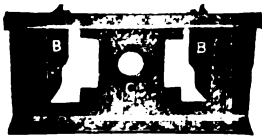
STEEL GAINS AND POLE STEPS



Cross-arm Bolted in Place and Secured by Steel Gain



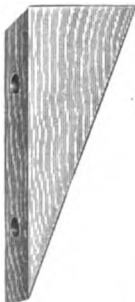
Pole Plate Fitting Against Pole



Steel Gain Fitting Against Pole Plate for Holding Cross-arm



For Tension Transmission Work



Wooden Pole Step



Pole Step for Iron Poles



Iron Pole Step

HALLETT STEEL GAINS

This device is a steel support for a cross-arm, which saves cutting gains in poles, lessens decay at the point where the arm is fastened to the pole, and obviates the necessity of cross-arm braces, except on longer than six-pin cross-arms, in telephone, telegraph, electric light and power transmission service.

The tongues BB are cut from the back of the cross-arm plate and inserted in slots AA of the pole plate, are forced into the pole when the nut is set up on the bolt, which passes through the cross-arm, steel gain (holes CC) and the pole. This fastens the arm securely in place, and squares it with the pole, resisting very much better, than in the ordinary cut gain, the tendency to pull the arm around the pole whenever there is an uneven tension of line wires.

Telephone Style

Size of Gain Plate for Cross-arms Inches	Length of Pole Plate Inches	Approx. Wt., Lbs. per 100	PLAIN Trade No.	Price Each	GALVANIZED Trade No.	Price Each
3 3/4	4	117	053165	\$0.24	053166	\$0.28
4	4	120	053167	.24	053168	.28
4	8	169	053169	.28	053170	.34

Electric Light Style

4 1/4	4	127	053171	.24	053172	.28
4 1/4	8	173	053173	.28	053174	.34

For High Tension Transmission Work

3 3/4	8	219	053175	.40	053176	.52
4	8	226	053177	.42	053178	.54
4 1/4	8	233	053179	.42	053180	.54
4 1/2	8	280	053181	.44	053182	.58
4 3/4	8	294	053183	.44	053184	.58
5	8	320	053185	.48	053186	.66
5 1/4	8	326	053187	.48	053188	.66
5 1/2	8	330	053189	.52	053190	.70
5 3/4	8	336	053191	.52	053192	.70

The size of gain plate for cross-arms is equal to the vertical dimension of the cross-arm. Do not get this confused with the thickness of the cross-arm.

Transmission gains should be fastened with a 3/4-inch bolt and nut. Washers not less than 3x3 inches should be used under each head of the bolts.

WOODEN POLE STEPS

Painted Oak

Trade No.	Size Inches	Approx. Wt., Lbs. per 1000	Price per 1000
053193	1 1/2 x 2 1/4 x 7	500	\$14.00

POLE STEPS FOR IRON POLES

Can be attached after poles are erected. Light steel band encircles pole and is firmly bolted to step. Made for any size pole.

For Pole Size Inches	Wt., Lbs. Each Step and Band	PLAIN Trade No.	Price Each	GALVANIZED Trade No.	Price Each
4	2 1/4	42129	\$0.40	42132	\$0.40
5	2 1/2	42130	.46	42133	.46
6	2 3/4	42131	.52	42134	.52

IRON POLE STEPS

Trade No.	Size Inches	Wt., Lbs. per 1000	Price per 1000
42125	9/16 x 9	690	\$65.75
42126	5/8 x 9	830	81.50
42127	3/4 x 10	920	89.00

Iron pole steps are furnished in kegs.

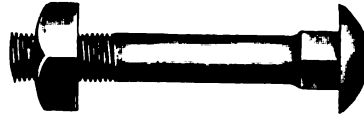
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SCREWS AND BOLTS



LAG SCREWS

Trade No.	Size Inches	Weight Pounds	Price per 100
41471	$\frac{3}{8}$ x2 $\frac{1}{4}$	9	\$3.22
41472	$\frac{3}{8}$ x3	10	3.48
41473	$\frac{3}{8}$ x3 $\frac{1}{2}$	11	3.74
41474	$\frac{3}{8}$ x4	12	4.00
41475	$\frac{3}{8}$ x4 $\frac{1}{2}$	13	4.26
41476	$\frac{3}{8}$ x5	14	4.52
41477	$\frac{1}{2}$ x2 $\frac{1}{2}$	16	4.47
41478	$\frac{1}{2}$ x3	19	4.83
41479	$\frac{1}{2}$ x3 $\frac{1}{2}$	21	5.19
41480	$\frac{1}{2}$ x4	23	5.55
41481	$\frac{1}{2}$ x4 $\frac{1}{2}$	26	5.91
41482	$\frac{1}{2}$ x5	28	6.27
41483	$\frac{1}{2}$ x6	32	6.99
41484	$\frac{1}{2}$ x7	37	7.71
41485	$\frac{1}{2}$ x8	41	8.43



CARRIAGE BOLTS

Trade No.	Size Inches	Weight Pounds	Price per 100
41486	$\frac{3}{8}$ x 3	13	\$2.38
41487	$\frac{3}{8}$ x 3 $\frac{1}{4}$	14	2.46
41488	$\frac{3}{8}$ x 3 $\frac{1}{2}$	15	2.54
41489	$\frac{3}{8}$ x 3 $\frac{3}{4}$	16	2.62
41490	$\frac{3}{8}$ x 4	17	2.70
41491	$\frac{3}{8}$ x 4 $\frac{1}{2}$	18	2.86
41492	$\frac{3}{8}$ x 5	19	3.02
41493	$\frac{3}{8}$ x10	34	4.62
41494	$\frac{1}{2}$ x 4	30	4.09
41495	$\frac{1}{2}$ x 4 $\frac{1}{2}$	33	4.37
41496	$\frac{1}{2}$ x 5	36	4.65
41497	$\frac{1}{2}$ x 5 $\frac{1}{2}$	38	4.32
41498	$\frac{1}{2}$ x 6	41	5.21
41499	$\frac{1}{2}$ x10	61	6.30
.....

MACHINE BOLTS



Trade No.	Size Inches	Weight Pounds	Price per 100	Trade No.	Size Inches	Weight Pounds	Price per 100
41500	$\frac{3}{8}$ x 3 $\frac{1}{2}$	15	\$3.04	41522	$\frac{5}{8}$ x10	102	\$11.66
41501	$\frac{3}{8}$ x 4	16	3.20	41523	$\frac{5}{8}$ x11	110	12.42
41502	$\frac{3}{8}$ x 4 $\frac{1}{2}$	18	3.36	41524	$\frac{5}{8}$ x12	118	13.18
41503	$\frac{3}{8}$ x 5	19	3.52	41525	$\frac{5}{8}$ x13	126	13.94
41504	$\frac{1}{2}$ x 3 $\frac{1}{2}$	29	4.64	41526	$\frac{5}{8}$ x14	134	14.70
41505	$\frac{1}{2}$ x 4	32	4.90	41527	$\frac{5}{8}$ x15	142	15.46
41506	$\frac{1}{2}$ x 4 $\frac{1}{2}$	35	5.16	41528	$\frac{5}{8}$ x16	150	16.22
41507	$\frac{1}{2}$ x 5	37	5.42	41529	$\frac{5}{8}$ x17	158	16.98
41508	$\frac{1}{2}$ x 5 $\frac{1}{2}$	40	5.68	41530	$\frac{5}{8}$ x18	166	17.74
41509	$\frac{1}{2}$ x 6	43	5.94	41531	$\frac{5}{8}$ x20	182	19.28
41510	$\frac{1}{2}$ x 7	48	6.46	41532	$\frac{3}{4}$ x10	150	17.05
41511	$\frac{1}{2}$ x 8	53	6.98	41533	$\frac{3}{4}$ x11	162	18.15
41512	$\frac{1}{2}$ x 9	58	7.50	41534	$\frac{3}{4}$ x12	173	19.25
41513	$\frac{1}{2}$ x10	64	8.02	41535	$\frac{3}{4}$ x13	185	20.35
41514	$\frac{1}{2}$ x11	69	8.54	41536	$\frac{3}{4}$ x14	196	21.45
41515	$\frac{1}{2}$ x12	74	9.06	41537	$\frac{3}{4}$ x15	208	22.55
41516	$\frac{1}{2}$ x13	80	9.58	41538	$\frac{3}{4}$ x16	219	23.65
41517	$\frac{1}{2}$ x14	85	10.10	41539	$\frac{3}{4}$ x17	231	24.75
41518	$\frac{1}{2}$ x15	90	10.62	41540	$\frac{3}{4}$ x18	242	25.85
41519	$\frac{1}{2}$ x16	96	11.14	41541	$\frac{3}{4}$ x20	265	28.05
41520	$\frac{5}{8}$ x 8	86	10.14	41542	$\frac{3}{4}$ x22	288	30.25
41521	$\frac{5}{8}$ x 9	94	10.90	41543	$\frac{3}{4}$ x24	311	32.45

Intermediate lengths take next higher list.

CUTTER TOGGLE BOLTS



				PRICE, PER PACKAGE			
Trade No.	Style	Size Inches	Wt. Lbs.	Pkg. of 10	Box of 25	Box of 100	1000 or More
23911	Slender	$\frac{1}{8}$ x3	$\frac{7}{16}$	\$0.40	\$0.90	\$3.40	\$32.00
23912	Slender	$\frac{1}{8}$ x4	$\frac{3}{4}$	.50	1.00	3.80	35.00
23913	Slender	$\frac{1}{8}$ x6	1	.60	1.30	4.40	40.00
23914	Regular	$\frac{3}{16}$ x3	$\frac{1}{4}$	.44	1.00	3.60	34.00
23915	Regular	$\frac{3}{16}$ x4	$\frac{1}{4}$	.50	1.10	4.00	36.00
23916	Regular	$\frac{3}{16}$ x6	$\frac{1}{4}$	.60	1.40	5.00	45.00
23917	$\frac{1}{4}$ inch	$\frac{1}{4}$ x4	$1\frac{1}{4}$	.56	1.20	4.40	40.00
23918	$\frac{1}{4}$ inch	$\frac{1}{4}$ x6	$1\frac{1}{2}$	.60	1.40	5.20	48.00
23919	Jumbo	$\frac{5}{16}$ x4	2	.70	1.60	6.00	55.00
23920	Jumbo	$\frac{5}{16}$ x6	$2\frac{1}{4}$	.80	1.90	7.00	65.00

PINS AND BRACKETS



Wood Pin

WOOD PINS

Oak, Painted

Trade No.	Size Inches	Sack Contains	Wt., Lbs. per 1000	Price per 1000
053196	1 1/4 x 8	250	300	\$10.50
053197	1 1/2 x 9	250	400	13.50

Locust, not Painted

053198	1 1/4 x 8	250	325	19.00
053199	1 1/2 x 9	250	450	28.00
42337	1 1/2 x 12	100	600	55.00
42335	1 1/2 x 12	100	650	62.00

No. 42337 has a 1-inch thread; No. 42335, 1 1/8-inch thread.

TRANSPOSITION PINS

For use in connection with transposition glass insulators. Made from selected stock and with extra long thread.

Oak, Painted

053201	1 1/4 x 9	250	350	12.00
42333	1 1/2 x 10	250	450	17.00

Locust, not Painted

053203	1 1/4 x 9	250	400	24.00
42334	1 1/2 x 10	250	500	35.00

DUPLEX PINS

For use in connection with duplex pony and duplex deep groove insulators.

Oak, Painted

053204	1 1/4 x 11 1/2	250	450	21.00
053205	1 1/2 x 12	250	600	30.00

Locust, not Painted

053206	1 1/4 x 11 1/2	250	500	40.00
053207	1 1/2 x 12	250	650	60.00

REGULAR WOOD CORNER PINS

Oak, Painted

Trade No.	Size Inches	Size of Bolts Inches	Sack Contains	Wt., Lbs. per 1000	Price per 1000
053208	1 1/4 x 8	3/8	250	600	\$60.00
053209	1 1/2 x 9	3/8	250	725	70.00

Locust, not Painted

42326	1 1/4 x 8	3/8	250	625	70.00
42327	1 1/2 x 9	3/8	250	775	75.00

Corner pins are furnished complete, with bolt and washer.



Regular Wood Corner Pin

WESTERN UNION STEEL PINS

Plain and Galvanized

Trade No.	Size Inches	Sack Contains	Wt., Lbs. per 1000	Price per 1000
053212	1/2 x 9 1/2	250	600	\$137.50
053213	5/8 x 9 1/2	250	950	175.00



Western Union Steel Pin

WOOD BRACKETS

Oak, Painted

Trade No.	Mfrs. No.	Size Inches	Sack Contains	Wt., Lbs. per 1000	Price per 1000
42281	4	1 1/2 x 2 x 10	250	500	\$16.50
42282	1	1 1/2 x 2 x 12	250	700	18.50
42283	3	1 1/2 x 2 1/4 x 12	250	800	22.00
42336	L. D.	1 5/8 x 2 x 12	250	800	22.00
42284	2	2 x 2 1/4 x 12	250	1000	28.00



Wood Bracket

WESTERN UNION BRACKETS

Oak, not Painted

42285	..	2 x 2 3/8 x 12	100	1100	28.00
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STEEL PINS AND RIDGE IRONS

Steel Pin
with Wood Top

STEEL PINS WITH PARAFFINED ALL WOOD TOPS

TRADE NUMBER With Plain Bolt	With Galv. Bolt	Mfrs. No.	DIMENSIONS, INCHES			Size of Bolt, In.	Wt., Lbs. per 100	Price per 100
			Diam. of Top	Diam. of Base	Length of Wood Top			
42286	42301	10	1	1 $\frac{7}{8}$	4 $\frac{1}{2}$	1 $\frac{1}{2}$ x 5 $\frac{1}{2}$	55	\$ 9.50
42287	42302	11	1	1 $\frac{7}{8}$	4 $\frac{1}{2}$	1 $\frac{1}{2}$ x 9 $\frac{1}{2}$	77	11.60
42288	42303	20	1	2 $\frac{1}{4}$	5 $\frac{1}{2}$	1 $\frac{1}{2}$ x 6 $\frac{1}{2}$	70	10.30
42289	42304	21	1	2 $\frac{1}{4}$	5 $\frac{1}{2}$	1 $\frac{1}{2}$ x10 $\frac{1}{2}$	90	12.40
42290	42305	22	1	2 $\frac{1}{4}$	5 $\frac{1}{2}$	1 $\frac{1}{2}$ x11 $\frac{1}{2}$	97	12.90
42291	42306	30	1 $\frac{3}{8}$	2 $\frac{1}{4}$	4	5 $\frac{5}{8}$ x 9	117	15.00
42292	42307	40	1 $\frac{3}{8}$	2 $\frac{1}{4}$	4 $\frac{1}{2}$	5 $\frac{5}{8}$ x10 $\frac{1}{2}$	132	16.50
42293	42308	50	1 $\frac{3}{8}$	2 $\frac{1}{4}$	5 $\frac{1}{2}$	5 $\frac{5}{8}$ x10 $\frac{1}{2}$	142	16.80
42294	42309	60	1 $\frac{3}{8}$	2 $\frac{1}{4}$	6 $\frac{1}{2}$	5 $\frac{5}{8}$ x12 $\frac{1}{2}$	165	18.30
42295	42310	70	1 $\frac{3}{8}$	2 $\frac{1}{2}$	8	5 $\frac{5}{8}$ x 9	148	17.10
42296	42311	71	1 $\frac{3}{8}$	2 $\frac{1}{2}$	8	5 $\frac{5}{8}$ x14	188	20.50
42297	42312	80	1 $\frac{3}{8}$	2 $\frac{3}{4}$	9	5 $\frac{5}{8}$ x10 $\frac{1}{2}$	172	19.60
42298	42313	81	1 $\frac{3}{8}$	2 $\frac{3}{4}$	9	5 $\frac{5}{8}$ x16	217	23.00
42299	42314	90	1 $\frac{3}{8}$	2 $\frac{1}{4}$	9	3 $\frac{3}{4}$ x10 $\frac{1}{2}$	225	25.50
42300	42315	91	1 $\frac{3}{8}$	2 $\frac{3}{4}$	9	3 $\frac{3}{4}$ x16	290	30.50

STEEL PINS WITH PARAFFINED WOOD TOPS AND
PORCELAIN BASES

TRADE NUMBER With Plain Bolt	With Galv. Bolt	Mfrs. No.	DIMENSIONS, INCHES			Size of Bolt, In.	Wt., Lbs. per 100	Price per 100
			WOOD TOP Diam.	WOOD TOP Length	PORC. BASE Diam.	PORC. BASE Length		
90395	90409	110	1	2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{1}{2}$ x 5 $\frac{1}{2}$	85 \$12.10
90396	90410	111	1	2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{1}{2}$ x 9 $\frac{1}{2}$	110 14.00
90397	90411	120	1	2 $\frac{1}{2}$	2 $\frac{5}{8}$	3	1 $\frac{1}{2}$ x 6 $\frac{1}{2}$	120 14.80
90398	90412	121	1	2 $\frac{1}{2}$	2 $\frac{5}{8}$	3	1 $\frac{1}{2}$ x10 $\frac{1}{2}$	145 17.10
90399	90413	122	1	2 $\frac{1}{2}$	2 $\frac{5}{8}$	3	1 $\frac{1}{2}$ x11 $\frac{1}{2}$	150 17.50
90400	90414	140	1 $\frac{3}{8}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	5 $\frac{5}{8}$ x10 $\frac{1}{2}$	160 18.70
90401	90415	150	1 $\frac{3}{8}$	2 $\frac{1}{4}$	2 $\frac{5}{8}$	3	5 $\frac{5}{8}$ x10 $\frac{1}{2}$	190 21.30
90402	90416	160	1 $\frac{3}{8}$	3	3	3 $\frac{1}{2}$	5 $\frac{5}{8}$ x12 $\frac{1}{2}$	225 24.20
90403	90417	170	1 $\frac{3}{8}$	3	3 $\frac{1}{2}$	5	5 $\frac{5}{8}$ x 9	315 27.80
90404	90418	171	1 $\frac{3}{8}$	3	3 $\frac{1}{2}$	5	5 $\frac{5}{8}$ x14	360 31.20
90405	90419	180	1 $\frac{3}{8}$	3	3 $\frac{1}{2}$	6	5 $\frac{5}{8}$ x10 $\frac{1}{2}$	400 33.80
90406	90420	181	1 $\frac{3}{8}$	3	3 $\frac{1}{2}$	6	5 $\frac{5}{8}$ x16	425 37.10
90407	90421	190	1 $\frac{3}{8}$	3	3 $\frac{1}{2}$	6	3 $\frac{3}{4}$ x10 $\frac{1}{2}$	440 39.60
90408	90422	191	1 $\frac{3}{8}$	3	3 $\frac{1}{2}$	6	3 $\frac{3}{4}$ x16	500 44.60

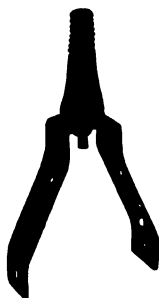
STEEL PINS WITH PARAFFINED WOOD TOPS AND
CAST IRON BASES

TRADE NUMBER With Plain Bolt	With Galv. Bolt	Mfrs. No.	DIMENSIONS, INCHES			Size of Bolt, In.	Wt., Lbs. per 100	Price per 100
			WOOD TOP Diam.	WOOD TOP Length	C. I. BASE Diam.	C. I. BASE Length		
90423	90425	15	1	2 $\frac{1}{4}$	2	2 $\frac{1}{4}$	1 $\frac{1}{2}$ x5 $\frac{1}{2}$	80 \$12.60
90424	90426	16	1	2 $\frac{1}{4}$	2	2 $\frac{1}{4}$	1 $\frac{1}{2}$ x9 $\frac{1}{2}$	105 14.60

GALVANIZED RIDGE IRONS

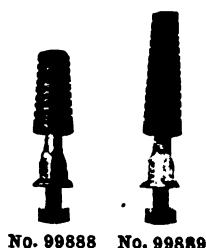
Trade No.	Mfrs. No.	Size of Stock, In.	Height Inches	Size of Pole, In.	Wt., Lbs. per 100	Price per 100
42330	1	1 $\frac{1}{8}$ x2 $\frac{1}{4}$	7	6	140	\$26.00
42331	2	3 $\frac{1}{4}$ x2 $\frac{3}{4}$	8	7	300	52.00
90427	3	1 $\frac{1}{4}$ x2 $\frac{3}{4}$	8 $\frac{1}{4}$	7	450	74.00

Prices do not include pins.

Ridge Iron
and Pin

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBARD STEEL PINS AND BRACKETS

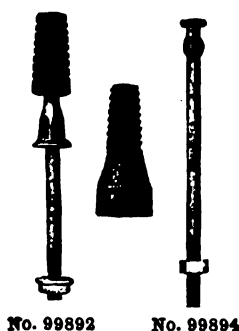


No. 99888 No. 99889

STEEL PINS

Trade No.	Diam. Inches	LENGTH, INCHES		Wt., Lbs. per 100	Price per 100
		Above Shoulder	Below Shoulder		
99888	$\frac{1}{2}$	4	1	48	\$ 9.00
99889	$\frac{1}{2}$	5	1	54	13.00
99890	$\frac{5}{8}$	4	1	65	11.50
99891	$\frac{5}{8}$	5	1	73	15.50
99892	$\frac{1}{2}$	$4\frac{1}{4}$	5	73	9.50
99893	$\frac{5}{8}$	$4\frac{1}{4}$	5	110	12.50

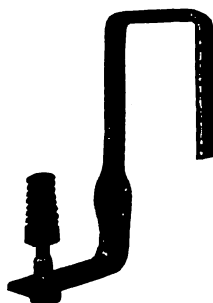
Last two sizes are Western Union standard.



No. 99892 No. 99894

STEEL PINS, ALL WOOD TOP

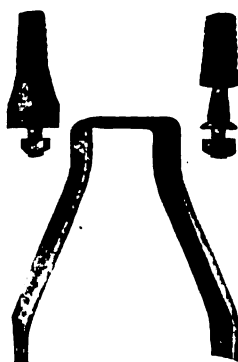
Trade No.	SIZE OF WOOD TOP, IN.		Length	SIZE OF BOLT, IN.		Length of Bolt below Top, In.	Wt. Lbs. per 100	Price per 100
	Diam. Top	Diam. Bottom		Diam.	Length			
99894	1	$1\frac{7}{8}$	$4\frac{1}{2}$	$\frac{1}{2}$	$5\frac{1}{2}$	1	52	\$12.00
99895	1	$2\frac{1}{4}$	$5\frac{1}{4}$	$\frac{1}{2}$	$6\frac{1}{2}$	$1\frac{1}{4}$	60	12.50
99896	$1\frac{3}{8}$	$2\frac{1}{4}$	$4\frac{1}{2}$	$\frac{5}{8}$	$5\frac{1}{2}$	1	90	14.25
99897	$1\frac{3}{8}$	$2\frac{1}{4}$	$5\frac{1}{4}$	$\frac{5}{8}$	$6\frac{1}{2}$	$1\frac{1}{4}$	115	15.25
99898	1	$1\frac{7}{8}$	$4\frac{1}{2}$	$\frac{1}{2}$	$9\frac{1}{2}$	5	72	13.15
99899	1	$2\frac{1}{4}$	$5\frac{1}{4}$	$\frac{1}{2}$	$10\frac{1}{2}$	$5\frac{1}{4}$	80	14.00
99900	1	$2\frac{1}{4}$	$5\frac{1}{4}$	$\frac{1}{2}$	$11\frac{1}{2}$	$6\frac{1}{4}$	88	14.35
99901	$1\frac{3}{8}$	$2\frac{1}{4}$	$4\frac{1}{2}$	$\frac{5}{8}$	$9\frac{1}{2}$	5	135	16.75
99902	$1\frac{3}{8}$	$2\frac{1}{4}$	$4\frac{1}{2}$	$\frac{5}{8}$	$10\frac{1}{2}$	6	160	18.00
99903	$1\frac{3}{8}$	$2\frac{1}{4}$	$5\frac{1}{4}$	$\frac{5}{8}$	$10\frac{1}{2}$	$5\frac{1}{4}$	165	18.75
99904	$1\frac{3}{8}$	$2\frac{1}{4}$	$6\frac{1}{2}$	$\frac{5}{8}$	$12\frac{1}{2}$	6	190	21.00
99905	$1\frac{3}{8}$	$2\frac{1}{2}$	8	$\frac{5}{8}$	14	6	225	26.00
99906	$1\frac{3}{8}$	$2\frac{3}{4}$	9	$\frac{5}{8}$	16	7	250	28.00



No. 99907

TRANSPOSITION BRACKETS

Trade No.	Mfrs. No.	Size of Steel Inches	For Cross-Arms Size, Inches	Wt., Lbs. per 100	Price per 100
99907	C-14-B	$1\frac{1}{4} \times 5\frac{5}{8}$	3 x 4	235	\$28.25
99908	3549 A	$1\frac{1}{4} \times 5\frac{5}{8}$	$3\frac{1}{4} \times 4\frac{1}{4}$	235	28.25
99909	3549 B	$1\frac{1}{2} \times 3\frac{3}{8}$	$3\frac{1}{4} \times 4\frac{1}{4}$	360	36.25

All punched for $\frac{1}{2}$ -inch pins. Pins not included in price.

No. 99910

RIDGE IRONS

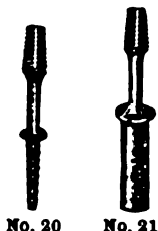
Trade No.	Size of Steel Inches	DIMENSIONS, INCHES				Wt., Lbs. per 100	Price per 100
		Height	Between Legs	Hole for Pin	Hole for Legs		
99910	$2\frac{1}{4} \times 1\frac{1}{8}$	7	6	$\frac{9}{16}$	$\frac{9}{16}$	200	\$26.25
99911	$2\frac{3}{4} \times 3\frac{3}{8}$	8	7	$\frac{11}{16}$	$\frac{9}{16}$	285	32.50

Prices on ridge irons given above do not include pins.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MALLEABLE IRON PINS

PINS FOR WOOD CROSS-ARM—FLUTED SHANK



No. 20 No. 21

Trade No.	Mfrs. No.	DIMENSIONS, INCHES			Diam. of Thread	Wt. Lbs. per 100	PRICE, PER 100			
		Diam. of Pin	Length of Shank	Length of Top			WITH INSERTION		WITHOUT INSERTION	
							Jap.	Galv.	Jap.	Galv.
012195	20A	3/4	3	4 3/4	1	50	\$6.00	\$8.00	\$5.00	\$7.00
012196	20B	1	3	4 3/4	1	65	7.50	9.75	6.50	8.75
012197	20C	1 1/4	3	4 3/4	1	80	9.00	12.00	8.00	11.00
012198	20D	1 1/2	3	4 3/4	1	90	10.50	14.00	9.50	13.00
012199	20E	1 1/4	4 1/4	4 3/4	1	105	12.50	17.00	11.50	16.00
012200	20F	1 1/2	4 1/4	4 3/4	1	115	13.50	18.00	12.50	17.00

PINS FOR WOOD CROSS-ARM—PLAIN SHANK

Trade No.	Mfrs. No.	Diam. of Pin	Length of Shank	Length of Top	Diam. of Thread	Wt. Lbs. per 100	WITH INSERTION Jap.	WITH INSERTION Galv.	WITHOUT INSERTION Jap.	WITHOUT INSERTION Galv.
012215	21A	1 1/4	3	4 3/4	1	100	9.00	13.00	8.00	12.00
012216	21B	1 1/4	4 1/4	4 3/4	1	120	12.50	17.00	11.50	16.00
012217	21C	1 1/2	3	4 3/4	1	110	10.50	14.50	9.50	13.50
012218	21D	1 1/2	4 1/4	4 3/4	1	140	13.50	18.50	12.50	17.50
012210	28A	1 1/4	4 1/4	4 3/4	1	125	12.00	17.00	11.00	16.00
012211	28B	1 1/2	4 1/4	4 3/4	1	130	13.00	18.00	12.00	17.00
098676	28E	1 1/4	4 1/4	4 3/4	1 3/8	150	15.00	20.00	14.00	19.00
098677	28H	1 1/2	4 1/4	4 3/4	1 3/8	145	14.00	19.00	13.00	18.00

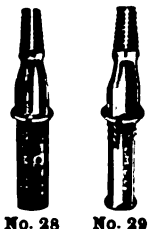
PINS FOR IRON CROSS-ARM—RIBBED SHANK

Trade No.	Mfrs. No.	Diam. of Pin	Length of Shank	Length of Top	Diam. of Thread	Wt. Lbs. per 100	WITH INSERTION Jap.	WITH INSERTION Galv.	WITHOUT INSERTION Jap.	WITHOUT INSERTION Galv.
012207	29A	1 1/4	4 1/4	4 3/4	1	125	12.00	17.00	11.00	16.00
012208	29B	1 1/2	4 1/4	4 3/4	1	140	13.00	18.00	12.00	17.00

For 1 3/8-inch diam. thread add \$2.00 per 100 to above prices.

PINS WITH METAL HEADS

For Telephone, Telegraph and Lighting Purposes



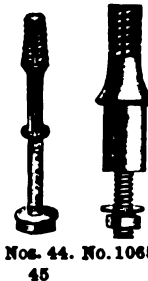
No. 28 No. 29

Trade No.	Mfrs. No.	DIMENSIONS, INCHES			Length of Bolt	Wt. Lbs. per 100	PRICE, PER 100			
		Diam. of Bolt	Diam. of Pin	Length of Thread			WITH INSERTION		WITHOUT INSERTION	
							Jap.	Galv.	Jap.	Galv.
098697	44	1 1/2	1	4 3/4	4 3/4	85	\$8.50	\$12.00	\$7.50	\$11.00
098698	45	5/8	1	4 3/4	4 3/4	110	9.50	13.00	8.50	12.00
107801	44A	1 1/2	1	4 3/4	2	75	8.00	11.50	7.00	10.50
107802	45A	5/8	1	4 3/4	2	90	9.00	12.50	8.00	11.50

All have 1 1/2-inch base. Nos. 44 and 45 are furnished with washers; Nos. 44A and 45A, without washers.

PINS FOR WOOD CROSS-ARMS

Fitted with 1/2x2-inch bolt below base, square nut and round washer.

Nos. 44. No. 1065
45

DIMENSIONS, INCHES						PRICE, PER 100					
Trade No.	Mfrs. No.	Size of Pin Hole	Pin Length		Length Above Shoulder	Size of Instr.	Wt., Lbs. per 100	WITH INSERTION		WITHOUT INSERTION	
			Below Shoulder	Base				Jap.	Galv.	Jap.	Galv.
107803	1065	1½	3⅝	2	4⅞	1	225	\$19.00	\$28.00	\$18.00	\$27.00
107804	1066	1¼	3⅝	2	4⅞	1	200	19.00	27.00	18.00	26.00
107805	1067	1½	4	2	5	1	300	31.00	43.00	30.00	42.00
107806	1068	1½	4	2	5	1⅜	325	33.00	46.00	32.00	45.00
107807	1069	1¼	4	2	5	1	275	30.00	41.00	29.00	40.00
107808	1070	1¼	4	2	5	1⅜	300	32.00	44.00	31.00	43.00
107809	1071	1½	5	2	5	1	350	33.00	46.00	32.00	46.00
107810	1072	1½	5	2	5	1⅜	375	35.00	50.00	34.00	49.00

HIGH TENSION PINS

Pin and bolt are one piece. Heads with slot for insertion are made solid or grooved for cementing.



No. 439

Trade No.	Mfrs. No.	DIMENSIONS, INCHES				Wt. Lbs. per 100	PRICE, PER 100			
		Diam. of Bolt	Diam. of Thread	Length of Pin	Length of Bolt		WITH INSERTION		WITHOUT INSERTION	
							Jap.	Galv.	Jap.	Galv.
017917	439E	1 1/2	1	4 1/2	5 1/4	140	\$16.00	\$21.00	\$15.00	\$20.00
017918	439H	1 1/2	1 3/8	7 1/2	5 1/4	160	22.00	28.00	21.00	27.00
017919	439A	5/8	1	4 1/2	5 1/4	160	18.00	23.00	17.00	22.00
017920	439B	5/8	1 3/8	7 1/2	5 1/4	180	24.00	30.00	23.00	29.00
107811	439L	1 1/2	1	4 1/2	1 1/2	100	12.00	17.00	11.00	16.00
107812	439C	1 1/2	1 3/8	7 1/2	1 1/2	120	18.00	24.00	17.00	23.00
107813	439D	5/8	1	4 1/2	1 1/2	110	14.00	19.00	13.00	19.00
107814	439K	5/8	1 3/8	7 1/2	1 1/2	130	20.00	26.00	19.00	25.00

All have 2-inch base, except Nos. 439B, 439C, 439D and 439K, which have 1 1/2-inch base.

Above pins furnished with insertion unless otherwise specified.

In ordering, specify whether japanned or galvanized finish is desired.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MALLEABLE IRON PINS

POLE TOP PINS

With Slotted Heads

Trade No.	Mfrs. No.	DIMENSIONS, INCHES				Wt. Lbs. per 100	PRICE, PER 100			
		Length Over All	Space between Holes	Width of Flange	Size of Holes		WITH INSERTION		WITHOUT INSERTION	
							Jap.	Galv.	Jap.	Galv.
098696	1800	12	4	1	$\frac{7}{16}$	100	\$12.00	\$16.00	\$11.00	\$15.00
107780	1801	15	6	1	$\frac{7}{16}$	125	15.00	20.00	14.00	19.00
107781	1802	18	6	1	$\frac{7}{16}$	140	16.00	21.00	15.00	20.00
107782	1803	18	6	$1\frac{1}{2}$	$\frac{7}{16}$	210	22.00	30.00	21.00	29.00
107783	1804	18	6	$1\frac{3}{4}$	$\frac{7}{16}$	240	24.00	33.00	23.00	32.00
107784	1805	24	8	$1\frac{1}{2}$	$\frac{9}{16}$	260	26.00	36.00	25.00	35.00
107785	1807	24	10	$1\frac{3}{4}$	$\frac{9}{16}$	280	28.00	39.00	27.00	38.00
107786	1809	24	10	2	$\frac{9}{16}$	325	33.00	46.00	32.00	45.00
107787	1812	30	10	$1\frac{3}{4}$	$\frac{9}{16}$	400	40.00	56.00	39.00	55.00
107788	1813	30	12	2	$\frac{11}{16}$	450	45.00	68.00	44.00	67.00
107789	1815	36	12	2	$\frac{11}{16}$	540	54.00	75.00	53.00	74.00
107790	1818	42	12	2	$\frac{11}{16}$	630	63.00	88.00	62.00	87.00
107791	1819	48	12	2	$\frac{11}{16}$	735	74.00	103.00	73.00	102.00
107792	1820	48	12	3	$\frac{3}{8}$	1000	100.00	140.00	99.00	139.00

Solid one-piece head for cement, same prices as above.

Add for separable head for $1\frac{3}{8}$ -inch insulator, japanned, \$13.00, and galvanized, \$14.00 per 100.

Add for separable head for 1-inch insulator, japanned, \$12.00, and galvanized, \$13.00 per 100.

Trade No.	Mfrs. No.	DIMENSIONS, INCHES				Wt. Lbs. per 100	PRICE, PER 100			
		Length Over All	Width	Depth	Size of Insulator		WITH INSERTION		WITHOUT INSERTION	
							Jap.	Galv.	Jap.	Galv.
097324	386 A	9	$1\frac{7}{8}$	$1\frac{1}{4}$	1	190	\$19.00	\$26.00	\$18.00	\$25.00
097325	386 B	12	$1\frac{7}{8}$	$1\frac{1}{4}$	1	240	25.00	34.00	24.00	33.00
097326	386 C	14	2	$1\frac{1}{4}$	1	260	29.00	40.00	28.00	39.00
097327	386 D	18	$2\frac{1}{4}$	$1\frac{1}{4}$	1	390	39.00	53.00	38.00	53.00
097332	386 M	9	$1\frac{7}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	200	21.00	29.00	20.00	28.00
097333	386 P	12	$1\frac{7}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	250	27.00	37.00	26.00	36.00
097334	386 R	14	2	$1\frac{1}{4}$	$1\frac{3}{8}$	270	31.00	43.00	30.00	42.00
097335	386 S	18	$2\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{3}{8}$	400	41.00	57.00	40.00	56.00

All heads measure 3 inches in length.

Loose Heads, 3 Inches Long, $\frac{3}{8}$ -inch Diameter, for 1-inch Insulator

Trade No.	Mfrs. No.	DIMENSIONS, INCHES				Wt. Lbs. per 100	PRICE, PER 100		
		Length Over All	Width	Depth	Size of Holes bet. Holes		PIECES		
							Jap.	Galv.	
098684	383 A	9	$2\frac{1}{4}$	1	$\frac{9}{16}$	6	275	\$30.00	\$37.00
098685	383 B	12	$2\frac{1}{4}$	1	$\frac{9}{16}$	6	325	36.00	35.00
098686	383 C	14	$2\frac{1}{4}$	1	$\frac{9}{16}$	6	375	40.00	51.00
098687	383 D	18	$2\frac{3}{8}$	$1\frac{1}{8}$	$\frac{9}{16}$	6	475	50.00	65.00

Loose Heads, 3½ Inches Long, $1\frac{1}{8}$ -inch Diameter, for $1\frac{3}{8}$ -inch Insulator

Trade No.	Mfrs. No.	DIMENSIONS, INCHES				Wt. Lbs. per 100	PRICE, PER 100		
		Length Over All	Width	Depth	Size of Holes bet. Holes		PIECES		
							Jap.	Galv.	
098688	383 E	9	$2\frac{1}{4}$	1	$\frac{9}{16}$	6	300	32.00	40.00
098689	383 H	12	$2\frac{1}{4}$	1	$\frac{9}{16}$	6	350	38.00	48.00
098690	383 K	14	$2\frac{1}{4}$	1	$\frac{9}{16}$	6	400	42.00	54.00
098691	383 M	18	$2\frac{3}{8}$	$1\frac{1}{8}$	$\frac{9}{16}$	6	500	52.00	68.00
098692	383 P	$27\frac{1}{2}$	$3\frac{1}{2}$	$2\frac{1}{2}$	$\frac{3}{4}$	7	1200	120.00	165.00
098693	383 R	$33\frac{1}{2}$	$2\frac{1}{2}$	2	$\frac{7}{8}$	12	1300	130.00	180.00

All loose heads are made with slots horizontal and vertical for cementing.

Solid Heads, for Cementing in Insulator For 1, $1\frac{1}{4}$ or $1\frac{3}{8}$ -inch Diameter Head

Trade No.	Mfrs. No.	DIMENSIONS, INCHES				Wt. Lbs. per 100	PRICE, PER 100		
		Length Over All	Width	Depth	Size of Holes bet. Holes		PIECES		
							Jap.	Galv.	
098680	382 A	9	$1\frac{3}{4}$	1	$\frac{9}{16}$	6	175	18.00	25.00
098681	382 B	12	$1\frac{3}{4}$	1	$\frac{9}{16}$	6	225	24.00	33.00
098682	382 C	14	$1\frac{7}{8}$	$1\frac{1}{8}$	$\frac{9}{16}$	6	275	28.00	39.00
098683	382 D	18	$2\frac{1}{4}$	$1\frac{1}{4}$	$\frac{9}{16}$	6	375	38.00	53.00
098694	382 E	$19\frac{1}{2}$	$2\frac{1}{4}$	$1\frac{1}{4}$	$\frac{9}{16}$	6	400	41.00	57.00
098695	382 F	$22\frac{1}{2}$	$2\frac{1}{4}$	$1\frac{1}{4}$	$\frac{9}{16}$	6	450	48.00	66.00

In ordering, specify diameter of head desired.

The above pole top pins listed with and without insertion will be furnished with insertion unless otherwise specified.

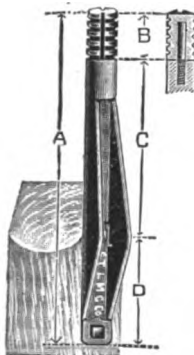
In ordering, specify whether japanned or galvanized finish is desired.



No. 1809



No. 386



No. 383



No. 382

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

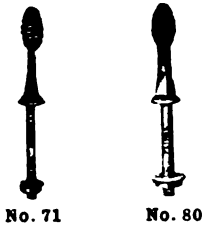
PEIRCE PINS

Hot Galvanized

FORGED STEEL PINS

WITH 1-INCH SPRING THREAD

Long Shank Type, for Wood Cross-arms

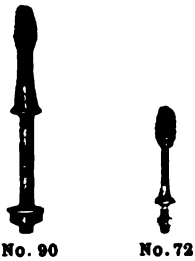


No. 71

No. 80

Trade No.	Mfrs. No.	Diam. Inches	LENGTH, INCHES			Wt., Lbs. per 100	Price per 100
			Above Shoulder	Below Shoulder	Total		
75251	71	$\frac{1}{2}$	$4\frac{3}{4}$	$4\frac{3}{4}$	$9\frac{1}{2}$	81	\$7.50
75252	74	$\frac{1}{2}$	$4\frac{3}{4}$	$5\frac{1}{2}$	$10\frac{1}{4}$	86	8.50
75253	80	$\frac{5}{8}$	$4\frac{3}{4}$	$4\frac{3}{4}$	$9\frac{1}{2}$	115	11.00
75254	81	$\frac{5}{8}$	$4\frac{3}{4}$	$5\frac{1}{2}$	$10\frac{1}{4}$	122	11.75
75255	81A	$\frac{5}{8}$	$4\frac{3}{4}$	$6\frac{1}{2}$	$11\frac{1}{4}$	129	12.50
75256	82	$\frac{5}{8}$	6	$4\frac{3}{4}$	$10\frac{3}{4}$	126	12.00
75257	84	$\frac{5}{8}$	6	$5\frac{1}{2}$	$11\frac{1}{2}$	132	12.50
75258	83	$\frac{5}{8}$	6	$6\frac{1}{2}$	$12\frac{1}{2}$	140	13.00
75259	95	$\frac{3}{4}$	6	5	11	183	16.75
75260	90	$\frac{3}{4}$	6	$5\frac{3}{4}$	$11\frac{3}{4}$	192	18.00
75261	91	$\frac{3}{4}$	6	$6\frac{3}{4}$	$12\frac{3}{4}$	205	18.50

Short Shank Type, for Steel Cross-arms



No. 90

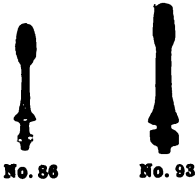
No. 72

75262	72	$\frac{1}{2}$	$4\frac{3}{4}$	$1\frac{1}{4}$	6	54	7.35
75263	86	$\frac{5}{8}$	$4\frac{3}{4}$	$1\frac{1}{4}$	6	85	10.00
75264	87	$\frac{5}{8}$	6	$1\frac{1}{4}$	$7\frac{1}{4}$	96	10.75
75265	93	$\frac{3}{4}$	6	$1\frac{1}{2}$	$7\frac{1}{2}$	123	14.50

Lag Screw Type, for Poles

75266	73	$\frac{1}{2}$	$4\frac{3}{4}$	3	$7\frac{3}{4}$	65	7.35
75267	88	$\frac{5}{8}$	$4\frac{3}{4}$	3	$7\frac{3}{4}$	88	11.50
75268	89	$\frac{5}{8}$	$7\frac{1}{2}$	4	$11\frac{1}{2}$	120	13.00
75269	94	$\frac{3}{4}$	6	4	10	130	16.00

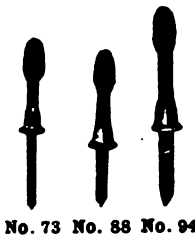
FORGED STEEL PINS

With $1\frac{1}{2}$ -inch Malleable Iron Separable Thimbles

No. 86

No. 93

Trade No.	Mfrs. No.	Length Above Shoulder Inches	Length of Bolt Inches	DIAMETER, INCHES			Wt., Lbs. per 100	Price per 100
				Shoulder	Above Shoulder	Below Shoulder		
75278	2806	6	$6\frac{3}{4}$	$2\frac{1}{2}$	1	$\frac{3}{4}$	320	\$28.50
75279	2807	7	$6\frac{3}{4}$	$2\frac{1}{2}$	1	$\frac{3}{4}$	343	30.00
75280	2808	8	$6\frac{3}{4}$	$3\frac{1}{4}$	$1\frac{1}{4}$	$\frac{3}{4}$	483	41.00
75281	2809	10	$6\frac{3}{4}$	$3\frac{1}{4}$	$1\frac{1}{4}$	$\frac{3}{4}$	536	43.50
75282	2810	12	$6\frac{3}{4}$	$3\frac{3}{4}$	$1\frac{1}{2}$	$\frac{3}{4}$	698	59.50
75283	2811	14	$6\frac{3}{4}$	$3\frac{3}{4}$	$1\frac{1}{2}$	$\frac{3}{4}$	775	61.75
75284	2812	16	$6\frac{3}{4}$	$3\frac{3}{4}$	$1\frac{1}{2}$	$\frac{3}{4}$	852	64.00
75285	2813	6	$1\frac{1}{2}$	$2\frac{1}{2}$	1	$\frac{3}{4}$	260	27.00
75286	2814	7	$1\frac{1}{2}$	$2\frac{1}{2}$	1	$\frac{3}{4}$	283	28.50
75287	2815	8	$1\frac{1}{2}$	$3\frac{1}{4}$	$1\frac{1}{4}$	$\frac{3}{4}$	423	39.50
75288	2816	10	$1\frac{1}{2}$	$3\frac{1}{4}$	$1\frac{1}{4}$	$\frac{3}{4}$	476	42.00
75289	2817	12	$1\frac{1}{2}$	$3\frac{3}{4}$	$1\frac{1}{2}$	$\frac{3}{4}$	638	58.00
75290	2818	14	$1\frac{1}{2}$	$3\frac{3}{4}$	$1\frac{1}{2}$	$\frac{3}{4}$	715	60.25
75291	2819	16	$1\frac{1}{2}$	$3\frac{3}{4}$	$1\frac{1}{2}$	$\frac{3}{4}$	792	62.50



No. 73

No. 88

No. 94

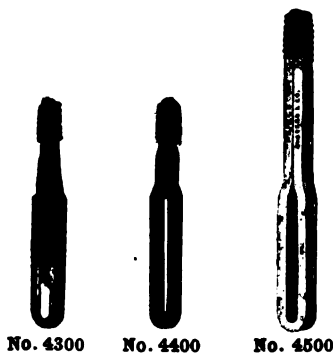
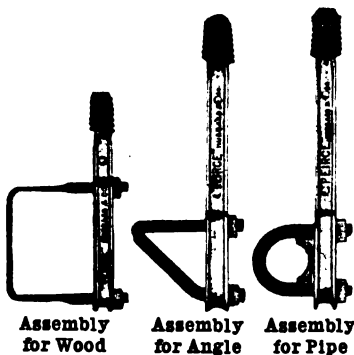
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE CLAMP PINS

Hot Galvanized

WOOD CROSS-ARM TYPES

Pins are made from one-piece channel steel bent double to form slot for cross-arm strap. They are furnished with separable thimbles and with Peirce Spring Threads. We recommend the latter for insulators up to 33000 volts, as on the smaller sizes of insulators the cost of cementing may thus be avoided. If in doubt as to the length of pin necessary for a high tension insulator, add to the length of insulator bore one half the diameter of the lower skirt. The sum will give the minimum height of pin above cross-arm.

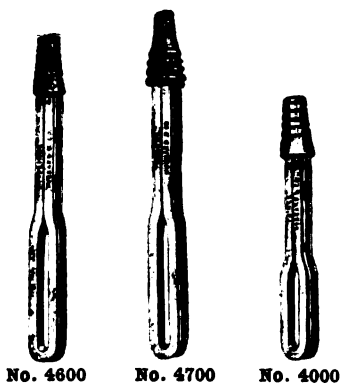


Trade No.	Mfrs. No.	Size of Channel Inches	Height Above Arm, in.	Size of Thimble Inches	Std. Pkg.	Wt., Lbs. per 100	Price per 100
75178	4300	Sheet	4 3/4	1*	200	67	\$16.00
75179	4400	3/4	4 3/4	1*	200	120	19.00
75180	4401	3/4	4 3/4	1*	200	105	18.00
75181	4402	3/4	6	1*	200	145	24.00
75182	4500	1	8	1 3/8*	150	225	28.00
75183	4502	1	10	1 3/8*	150	253	34.00
75184	4504	1	12	1 3/8*	100	280	39.00
75185	4506	1 1/4	14	1 3/8*	100	345	44.00
75186	4508	1 1/4	16	1 3/8*	100	376	50.00
75187	4600	1	8	1 3/8†	150	226	30.00
75188	4602	1	10	1 3/8†	150	254	36.00
75189	4604	1	12	1 3/8†	100	281	41.00
75190	4606	1 1/4	14	1 3/8†	100	346	46.00
75191	4608	1 1/4	16	1 3/8†	100	377	52.00
75192	4700	1	8	1 3/8†	150	224	30.00
75193	4702	1	10	1 3/8†	150	252	36.00
75194	4704	1	12	1 3/8†	100	279	41.00
75195	4706	1 1/4	14	1 3/8†	100	344	46.00
75196	4708	1 1/4	16	1 3/8†	100	375	52.00

All of the above pins will fit arms 4x5 inches and smaller, except No. 4401, which fits arms 3 1/2 x 4 1/2 inches and smaller.

STEEL CROSS-ARM TYPES

The use of these pins is recommended for Bo-Arrow High Tension Arms as being stronger, lighter and cheaper than any pin of the through bolt type. Pins of these types can be furnished to special dimensions and with clamps to fit any desired size or shape of angle, channel, beam, pipe or rail section.



75197	4000	1	8	1 3/8†	150	195	24.00
75198	4002	1	10	1 3/8†	150	221	30.00
75199	4004	1	12	1 3/8†	100	248	35.00
75200	4006	1 1/4	14	1 3/8†	100	309	40.00
75201	4008	1 1/4	16	1 3/8†	100	340	46.00
75202	4100	1	8	1 3/8*	150	194	22.00
75203	4102	1	10	1 3/8*	150	220	28.00
75204	4104	1	12	1 3/8*	100	248	33.00
75205	4106	1 1/4	14	1 3/8*	100	309	38.00
75206	4108	1 1/4	16	1 3/8*	100	340	44.00
75207	4200	1	8	1 3/8†	150	193	24.00
75208	4202	1	10	1 3/8†	150	219	30.00
75209	4204	1	12	1 3/8†	100	247	35.00
75210	4206	1 1/4	14	1 3/8†	100	308	40.00
75211	4208	1 1/4	16	1 3/8†	100	339	46.00

The above clamp pins are for angle up to 3x3 inches, and for pipe up to 1 1/2-inch.

ANGLE CLAMPS

75212	161	5/8-in. bolt, for 3-in. angle	100	6.00
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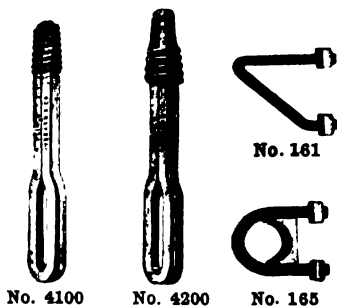
PIPE CLAMPS

75213	165	5/8-in. bolt, for 1 1/4-in. pipe	160	10.00
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*Pierce spring thread thimble.

†Cast separable thimble.

‡Drawn steel separable thimble.



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE PINS

Hot Galvanized

WITH DRAWN STEEL SEPARABLE THIMBLES

The new Peirce Forged Steel Pin for high voltage insulators is a development of the original Peirce forged steel pin construction, with an important change. A drawn steel separable thimble has replaced the malleable iron thimble. This change has made possible a very much greater strength in the pin than can be secured with a pin of any other type of construction, and a strength which is uniform in all lengths of the pin.

Each of the series is made in two distinct types: The long bolt pin for wood arms and the short bolt pin for steel arms. The pin is a solid forging from a single block of steel, and has neither welds nor joints.

FORGED STEEL PINS FOR WOOD ARMS

1500-pound Series for Insulators with 1-inch Bore

Trade No.	Mfra. No.	DIMENSIONS, INCHES							Wt., Lbs. per 100	Price per 100
		A	B	C	D	E	F	G		
120187	5102	3½	5½	¾	2¼	.94	1½	2	217	\$26.50
120188	5104	4	5½	¾	2¼	.98	1½	2	231	28.00
120189	5106	4½	5½	¾	2¼	1.02	1½	2	246	29.50
120190	5108	5	5½	¾	2¼	1.05	1½	2	261	31.00
120191	5110	5½	5½	¾	2¼	1.08	1½	2	278	32.75
120192	5112	6	5½	¾	2¼	1.12	1½	2	297	34.75
120193	5114	7	5½	¾	3	1.15	1½	2	388	44.25
120194	5116	8	5½	¾	3	1.22	1½	2	435	49.25

1500-pound Series for Insulators with 1¼-inch Bore

Trade No.	Mfra. No.	A	B	C	D	E	F	G	Wt., Lbs. per 100	Price per 100
120195	5118	4	6½	¾	2½	1.16	1½	2½	285	32.90
120196	5120	5	6½	¾	2½	1.20	1½	2½	318	36.15
120197	5122	5½	6½	¾	2½	1.22	1½	2½	334	37.05
120198	5124	6	6½	¾	2½	1.23	1½	2½	351	39.05
120199	5126	7	6½	¾	3	1.26	1½	2½	417	48.00
120200	5128	8	6½	¾	3	1.30	1½	2½	445	51.40
120201	5130	9	6½	¾	3	1.33	1½	2½	515	56.05
120202	5132	10	6½	¾	3	1.36	1½	2½	568	60.90
120203	5134	11	6½	¾	3½	1.38	1½	2½	652	67.90
120204	5136	12	6½	¾	3½	1.41	1½	2½	699	71.65
120205	5138	13	6½	¾	3½	1.44	1½	2½	746	74.65
120206	5140	14	6½	¾	3¾	1.48	1½	2½	824	81.00
120207	5142	15	6½	¾	3¾	1.51	1½	2½	877	85.25
120208	5144	16	6½	¾	3¾	1.58	1½	2½	932	89.80

3000-pound Series for Insulators with 1¼-inch Bore

Trade No.	Mfra. No.	A	B	C	D	E	F	G	Wt., Lbs. per 100	Price per 100
120209	5146	4	8½	1	2½	1.26	1½	2½	425	42.40
120210	5148	5	8½	1	2½	1.30	1½	2½	462	47.00
120211	5150	5½	8½	1	2½	1.35	1½	2½	503	51.25
120212	5152	6	8½	1	2½	1.37	1½	2½	525	53.50
120213	5154	7	8½	1	3	1.41	1½	2½	577	58.75
120214	5156	8	8½	1	3	1.47	1½	2½	626	63.75
120215	5158	9	8½	1	3	1.53	1½	2½	678	69.00
120216	5160	10	8½	1	3	1.57	1½	2½	734	75.50
120217	5162	11	8½	1	3½	1.63	1½	2½	864	85.00
120218	5164	12	8½	1	3½	1.68	1½	2½	927	90.00
120219	5166	13	8½	1	3½	1.74	1½	2½	999	95.75
120220	5168	14	8½	1	3¾	1.80	1½	2½	1102	104.00
120221	5170	15	8½	1	3¾	1.86	1½	2½	1184	110.60
120222	5172	16	8½	1	3¾	1.92	1½	2½	1271	119.75

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



PEIRCE PINS

Hot Galvanized

WITH DRAWN STEEL SEPARABLE THIMBLES

FORGED STEEL PINS FOR STEEL ARMS

1500-pound Series for Insulators with 1-inch Bore

Trade No.	Mfrs. No.	DIMENSIONS, INCHES							Wt., Lbs. per 100	Price per 100
		A	B	C	D	E	F	G		
120223	5101	3½	1¾	¾	2¼	.94	½	2	158	\$22.50
120224	5103	4	1¾	¾	2¼	.98	½	2	173	24.00
120225	5105	4½	1¾	¾	2¼	1.02	½	2	188	25.50
120226	5107	5	1¾	¾	2¼	1.05	½	2	202	27.00
120227	5109	5½	1¾	¾	2¼	1.08	½	2	220	28.75
120228	5111	6	1¾	¾	2¼	1.12	½	2	239	30.75
120229	5113	7	1¾	¾	3	1.15	½	2	330	40.25
120240	5115	8	1¾	¾	3	1.22	½	2	376	45.25

Assembly for
Steel Arms

1500-pound Series for Insulators with 1½-inch Bore

120241	5117	4	1¾	¾	2½	1.17	1½	2½	215	28.25
120242	5119	5	1¾	¾	2½	1.20	1½	2½	247	31.50
120243	5121	5½	1¾	¾	2½	1.22	1½	2½	263	32.40
120244	5123	6	1¾	¾	2½	1.23	1½	2½	280	34.40
120245	5125	7	1¾	¾	3	1.26	1½	2½	346	43.35
120246	5127	8	1¾	¾	3	1.30	1½	2½	394	46.75
120247	5129	9	1¾	¾	3	1.33	1½	2½	444	51.40
120248	5131	10	1¾	¾	3	1.36	1½	2½	496	56.25
120249	5133	11	1¾	¾	3½	1.40	1½	2½	582	63.25
120250	5135	12	1¾	¾	3½	1.43	1½	2½	628	67.00
120251	5137	13	1¾	¾	3½	1.46	1½	2½	675	70.00
120252	5139	14	1¾	¾	3¾	1.50	1½	2½	753	76.35
120253	5141	15	1¾	¾	3¾	1.53	1½	2½	805	80.60
120254	5143	16	1¾	¾	3¾	1.56	1½	2½	861	85.15

Diagram of
Dimensions

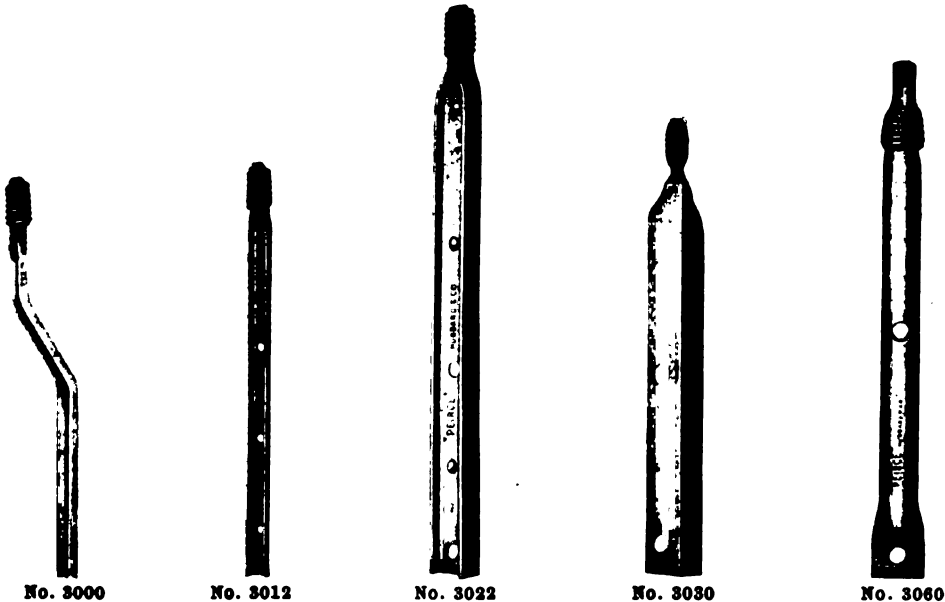
3000-pound Series for Insulators with 1½-inch Bore

120255	5145	4	2	1	2½	1.25	1½	2½	263	32.40
120256	5147	5	2	1	2½	1.30	1½	2½	300	37.00
120257	5149	5½	2	1	2½	1.33	1½	2½	340	41.25
120258	5151	6	2	1	2½	1.35	1½	2½	363	43.50
120259	5153	7	2	1	3	1.41	1½	2½	415	48.75
120260	5155	8	2	1	3	1.47	1½	2½	464	53.75
120261	5157	9	2	1	3	1.53	1½	2½	516	59.00
120262	5159	10	2	1	3	1.59	1½	2½	572	65.50
120263	5161	11	2	1	3½	1.65	1½	2½	702	75.00
120264	5163	12	2	1	3½	1.70	1½	2½	765	80.00
120265	5165	13	2	1	3½	1.76	1½	2½	837	85.75
120266	5167	14	2	1	3¾	1.82	1½	2½	940	94.00
120267	5169	15	2	1	3¾	1.88	1½	2½	1022	100.60
120268	5171	16	2	1	3¾	1.94	1½	2½	1110	109.75

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE POLE TOP PINS

Hot Galvanized



While pole top pins of any desired weight, length and hole spacing can be furnished, the sizes shown below cover usual practice for most types of construction. Many engineers are now insulating the ground wire from the high tension fixture and for this purpose are using pole top pins in place of standard bayonets.

SPRING THIMBLE

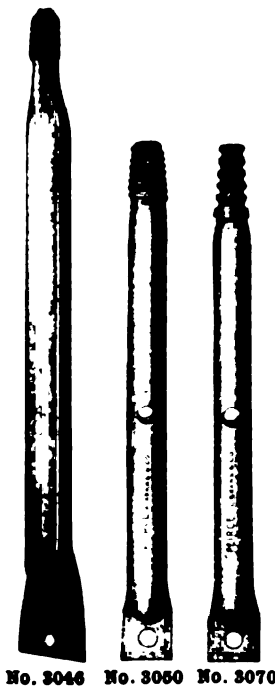
Trade No.	Mfrs. No.	Material	Length Inches	Size of Thimble of Holes Inches	Distance between Holes Inches	Wt., Lbs. per 100	Price per 100
75341	3000	1x $\frac{1}{2}$ -in. channel	18	1	$\frac{7}{16}$	4	\$32.00
75342	3010	1x $\frac{1}{2}$ -in. channel	12	1	$\frac{7}{16}$	4	19.00
75343	3012	1x $\frac{1}{2}$ -in. channel	18	1	$\frac{7}{16}$	4	32.00
75344	3020	Two 1 $\frac{3}{4}$ -in. channels	18	$\frac{13}{8}$	$\frac{11}{16}$	8	66.00
75345	3022	Two 1 $\frac{3}{4}$ -in. channels	25	$\frac{13}{8}$	$\frac{11}{16}$	8	82.00
75346	3023	Two 1 $\frac{3}{4}$ -in. channels	36	$\frac{13}{8}$	$\frac{11}{16}$	10	116.00
75347	3030	2x2x $\frac{3}{8}$ -in. angle	18	1	$\frac{11}{16}$	8	55.00
75348	3031	2x2x $\frac{3}{8}$ -in. angle	24	1	$\frac{11}{16}$	8	73.00
75349	3033	2x2x $\frac{3}{8}$ -in. angle	36	1	$\frac{11}{16}$	10	87.00
75350	3035	2x2x $\frac{1}{4}$ -in. angle	48	1	$\frac{11}{16}$	12	140.00
75351	3040	No. 10 pressed steel	18	1	$\frac{11}{16}$	8	45.00
75352	3041	No. 10 pressed steel	18	$\frac{13}{8}$	$\frac{11}{16}$	8	227
75353	3045	No. 10 pressed steel	24	1	$\frac{11}{16}$	8	303
75354	3046	No. 10 pressed steel	24	$\frac{13}{8}$	$\frac{11}{16}$	8	303
75355	3050	1 $\frac{1}{4}$ -in. steel pipe	18	$\frac{13}{8}$	$\frac{11}{16}$	8	336
75356	3052	1 $\frac{1}{4}$ -in. steel pipe	24	$\frac{13}{8}$	$\frac{11}{16}$	8	448
75357	3054	1 $\frac{1}{4}$ -in. steel pipe	36	$\frac{13}{8}$	$\frac{11}{16}$	10	672
75358	3056	1 $\frac{1}{4}$ -in. steel pipe	48	$\frac{13}{8}$	$\frac{11}{16}$	12	896

DRAWN STEEL SEPARABLE THIMBLE

75359	3060	1 $\frac{1}{4}$ -in. steel pipe	18	$\frac{13}{8}$	$\frac{11}{16}$	8	336	65.00
75360	3062	1 $\frac{1}{4}$ -in. steel pipe	24	$\frac{13}{8}$	$\frac{11}{16}$	8	448	81.00
75361	3064	1 $\frac{1}{4}$ -in. steel pipe	36	$\frac{13}{8}$	$\frac{11}{16}$	10	672	112.00
75362	3066	1 $\frac{1}{4}$ -in. steel pipe	48	$\frac{13}{8}$	$\frac{11}{16}$	12	896	139.00

CAST IRON SEPARABLE THIMBLE

75363	3070	1 $\frac{1}{4}$ -in. steel pipe	18	$\frac{13}{8}$	$\frac{11}{16}$	8	336	65.00
75364	3072	1 $\frac{1}{4}$ -in. steel pipe	24	$\frac{13}{8}$	$\frac{11}{16}$	8	448	81.00
75365	3074	1 $\frac{1}{4}$ -in. steel pipe	36	$\frac{13}{8}$	$\frac{11}{16}$	10	672	112.00
75366	3076	1 $\frac{1}{4}$ -in. steel pipe	48	$\frac{13}{8}$	$\frac{11}{16}$	12	896	139.00



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE PINS

Hot Galvanized



No. 5025

SPRING THREAD SEPARABLE THIMBLES

While the cementing of thimbles to insulators is advocated as being the most dependable method, there are instances where this is not desirable. To meet this condition with the Peirce Forged Steel Pin, this spring thread thimble has been developed.

The thimble is drawn from sheet steel, with interior threads to fit on the pin. The exterior of the thimble is fitted with the Peirce spring thread. It is made in two sizes, for insulators with 1 and $1\frac{3}{8}$ -inch bores. No. 5020 thimble fits on pins Nos. 5101 to 5116, and No. 5025 thimble on pins Nos. 5117 to 5172, inclusive.

Trade No.	Mfra. No.	Insulator Bore Inches	Wt., Lbs. per 100	PRICE, PER 100	
				When Ordered Separately	When Ordered with Pins
120279	5020	1	16	\$10.00	\$4.00
120280	5025	$1\frac{3}{8}$	25	12.00	5.00

The list prices shown for the 5100 series pins include the drawn steel separable thimble. If the spring thread separable thimble is desired instead of the drawn steel thimble, the difference between the cost of the two is used as shown in the second list above.

PRESTEEL CROSS-ARM SADDLES



No. 5004

These cross-arm saddles are used with Peirce Forged Steel Pins on round top cross-arms. Besides giving a firm seat for the pin, they help prevent the splitting of the arm when subjected to heavy strains. They are pressed from sheet steel and are, consequently, very strong and stiff. The Peirce Forged Steel Pin with this saddle will hold a greater strain than a curved base malleable iron pin, because there are no sharp edges to cut into the wood.

Trade No.	Mfra. No.	Width of Cross-arm Inches	Size of Pin Hole Inches	Wt., Lbs. per 100	Price per 100
120281	5001	$3\frac{1}{4}$	$\frac{3}{4}$	62	\$5.50
120282	5002	$3\frac{1}{2}$	$\frac{3}{4}$	68	5.75
120283	5003	$3\frac{3}{4}$	$\frac{3}{4}$	74	6.00
120284	5004	4	$\frac{3}{4}$	80	6.30
120285	5005	5	$\frac{3}{4}$	100	7.70
120286	5011	$3\frac{1}{4}$	1	62	5.50
120287	5012	$3\frac{1}{2}$	1	68	5.75
120288	5013	$3\frac{3}{4}$	1	74	6.00
120289	5014	4	1	80	6.30
120290	5015	5	1	100	7.70

PRESTEEL CENTERING WASHERS



No. 5032

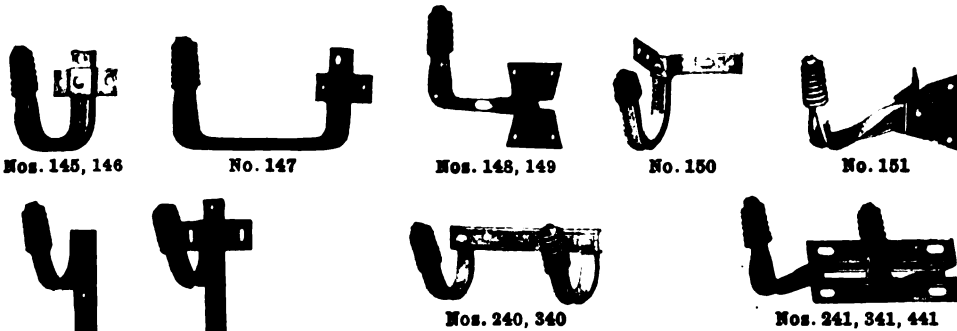
These washers are used on the lower end of the Peirce Forged Steel Pin to center the pin when the pin is used on an existing cross-arm with holes bored for wood pins.

Trade No.	Mfra. No.	To Fit in Hole Diameter Inches	Size of Pin Hole Inches	Wt., Lbs. per 100	Price per 100
120291	5030	$1\frac{1}{4}$	$\frac{3}{4}$	12	\$1.60
120292	5031	$1\frac{1}{4}$	1	12	1.60
120293	5032	$1\frac{1}{2}$	$\frac{3}{4}$	13	1.70
120294	5033	$1\frac{1}{2}$	1	13	1.70

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE BRACKETS

Hot Galvanized



Nos. 145, 146

No. 147

Nos. 148, 149

No. 150

No. 151

Nos. 202, 303

Nos. 204,
305, 306

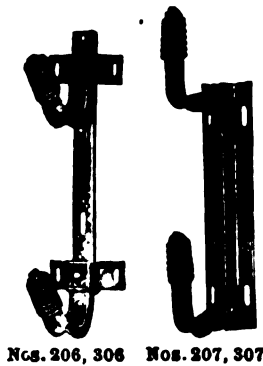
Nos. 240, 340

Nos. 241, 341, 441

WALL BRACKETS

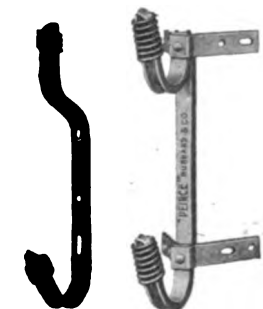
All Peirce Brackets are made from hot-rolled open-hearth steel channel and angle which, under severe strains, will bend but will never break and let the wires down. The brackets shown with short springs are for telephone wires only, although they may be used on short spans of wires up to No. 6 covered. Any style of multiple point bracket may be obtained in any desired number of points although not shown in the lists.

Brackets in the 100 series are for single wires, in the 200 series for two wires, in the 300 series for three wires and so on. If a bracket similar to No. 306 is desired for four wires, for instance, a No. 406 should be specified.



Nos. 206, 306

Nos. 207, 307

Nos. 234,
235, 236

Nos. 242, 342



No. 500

Trade No.	Mfrs. No.	Extension	DIMENSIONS, INCHES			Wire Spacing	Std. Pkg.	Wt., Lbs. per 100	Price per 100
			Channel	Holes					
75001	145	3 1/2	3/4	5/8		....	25	56	\$11.00
75002	146	4 1/2	1	5/8		....	25	100	17.00
75003	147	9	1	5/8 & 9/8		....	25	141	24.00
75004	148	6	1	3/8		....	15	140	25.00
75005	149	6	1	3/8		....	15	140	27.00
75006	150	3 1/2	3/4	5/8		....	25	74	13.00
75007	151	7 1/2	1	3/8		....	15	150	24.00
75008	203	3	3/4	5/8		9	20	145	23.00
75009	204	3	3/4	5/8		6 1/2	20	160	23.00
75010	205	3	3/4	5/8		9	20	175	25.00
75011	206	3	1	5/8		9	20	225	39.00
75012	207	4 1/2	3/4	3/8		9	10	250	37.00
75013	234	3 1/2	3/4	3/8		8	25	90	17.00
75014	235	3 1/2	3/4	3/8		12	25	110	19.00
75015	236	3 1/2	1	3/8		10	25	143	20.00
75016	240	3 1/2	3/4	5/8		7	20	125	23.00
75017	241	4 1/2	1	3/8		7	10	250	41.00
75018	242	3	3/4	5/8		9	20	186	27.00
75019	303	3	3/4	5/8		6 1/2	20	225	35.00
75020	305	3	3/4	5/8		6 1/2	20	260	37.00
75021	306	3	1	5/8		6 1/2	10	330	60.00
75022	307	4 1/2	3/4	3/8		6 1/2	10	350	51.00
75023	340	3 1/2	3/4	5/8		6 1/2	10	220	35.00
75024	341	4 1/2	1	3/8		6 1/2	10	460	65.00
75025	342	3	3/4	5/8		6 1/2	20	261	40.00
75026	441	4 1/2	1	3/8		6 1/2	10	625	83.00

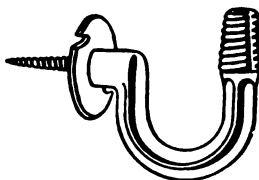
BRACKET FEET AND CORNER IRONS

For use with Nos. 204, 205, 206, 305 and 306 wall brackets. Make brackets extend 8 inches from wall to get around obstructions such as rain conductors. May also be used on corners. Furnished complete with two stove bolts.

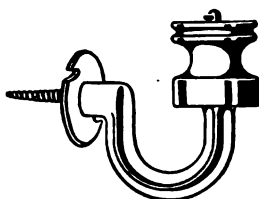
Trade No.	Mfrs. No.	Extension	DIMENSIONS, INCHES			Spread of Base Inches	Std. Pkg.	Wt., Lbs. per 100	Price per 100
			Channel	Holes					
75027	500	4 3/8	1 x 3/8	5/8		10 3/8	20	85	\$12.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

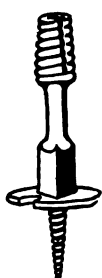
LINE MATERIAL CO. BRACKETS



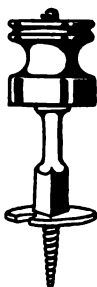
Nos. 1800, 1801



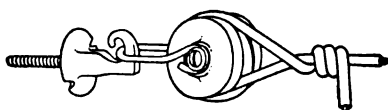
Nos. 2000 to 2003



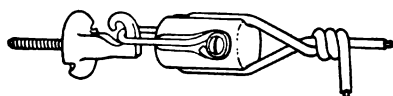
Nos. 2300 to 2321



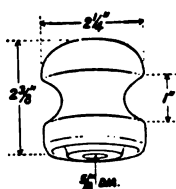
Nos. 2020 to 2021



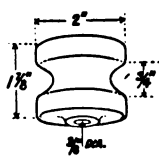
Nos. 1815 to 1820



Nos. 1919, 1920



No. 700



No. 800

ONE UNIT SCREW BRACKETS

These brackets are extremely convenient. No tools or extra screws are required. Can be put up in less than a minute. When the bracket is screwed up tight, the wide flange digs into the wood and puts friction on the screw threads.

House Brackets			
Trade No.	Mfrs. No.	Description	Price per 100
133522	1800J	Japanned	\$18.00
133523	1801G	Galvanized	22.00

House Brackets with No. 700 Insulators			
133524	2000J	Japanned	28.00
133525	2001G	Galvanized	30.00

House Brackets with No. 800 Insulators			
133526	2002J	Japanned	26.00
133527	2003G	Galvanized	28.00

Transformer Brackets			
133528	2300J	Japanned, with No. 22 screw	16.00
133529	2301G	Galvanized, with No. 22 screw	20.00
133530	2320J	Japanned, with 1/2-inch lag screw	20.00
133531	2321G	Galvanized, with 1/2-inch lag screw	24.00

Transformer Brackets with No. 700 Insulators			
133532	2020J	Japanned, with No. 22 screw	26.00
133533	2021G	Galvanized, with No. 22 screw	28.00
133534	2030J	Japanned, with 1/2-inch lag screw	30.00
133535	2031G	Galvanized, with 1/2-inch lag screw	32.00

HOOKS AND KNOBS

Japanned			
133536	1815J	Complete, as shown, with No. 800 insulator	16.80
133537	1816J	Screw hook only	6.40
Galvanized			
133538	1818G	Complete, as shown, with No. 800 insulator	18.80
133539	1819G	Screw hook only	7.40
133540	1820G	Knob and strap only	11.40

HOOKS AND STRAIN INSULATORS

Galvanized			
133541	1919G	Complete, as shown, with strain insulator	23.00
133542	1920G	Insulator and strap only	16.60

PORCELAIN SPOOLS

Used in connection with brackets and racks on this and another page.

Brown Glazed			
133543	700	Used on service racks and brackets	10.00
133544	800	Used on service racks and brackets	8.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

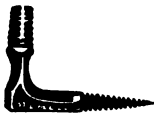
MALLEABLE IRON BRACKETS



No. 100



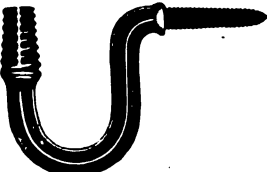
No. 101



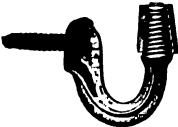
No. 102



No. 103



Nos. 466, 467



No. 310



No. 109



No. 2

WALL BRACKETS

Flat Backs, for High or Low Tension Wires

All have 1-inch slotted heads.



Nos. 111, 112



No. 104



No. 106



No. 107



Nos. 253,
254, 255



Nos. 656-662



No. 110

Trade No.	Mfrs. No.	Exten. Inches	Wt., Lbs. per 100	PRICE, PER 100			
				WITH INSERTION		WITHOUT INSERTION	
				Jap.	Galv.	Jap.	Galv.
012244	100	3	90	\$11.00	\$15.00	\$10.00	\$14.00
017666	101	3	180	.....	.....	16.00	20.00
012245	102	3	85	11.00	15.00	10.00	14.00
012246	103	3	90	11.00	15.00	10.00	14.00
107587	466	4	100	13.00	17.00	12.00	16.00
107588	467	4 3/4	150	20.00	26.00	19.00	25.00
098725	310	3	150	18.00	22.00	17.00	21.00
012250	109	3	85	8.50	13.00	7.50	12.00
107589	2	3	65	.....	.....	7.00	10.50
098750	111	3	125	15.00	21.00	14.00	20.00
012252	112	3	120	10.60	13.00	9.60	12.00
012247	104	3	150	11.00	16.00	10.00	15.00
012249	106	3	150	13.00	18.00	12.00	17.00
017684	107	3	200	19.00	27.00	18.00	26.00
107590	253	4 1/2	85	13.00	17.00	12.00	16.00
107591	254	6	100	13.00	17.00	12.00	16.00
107592	255	9	130	19.00	24.00	18.00	23.00
107593	656	4	100	11.00	16.00	10.00	15.00
107594	657	4 1/2	140	16.00	21.00	15.00	20.00
107595	658	6	340	35.00	48.00	34.00	47.00
107596	659	7	365	36.00	49.00	35.00	48.00
107597	660	7	390	41.00	56.00	40.00	55.00
107598	661	13	570	58.00	81.00	57.00	80.00
107599	662	18	800	81.00	113.00	80.00	112.00

Oak Head

Locust Head

No. 2 bracket has the new cruciform head, with rubber washer, and for low tension wires this bracket will give entire satisfaction and is cheaper than No. 109.

POLE BRACKETS

Curved Back, with 1-inch Slotted Heads

012248	105	3	100	11.00	16.00	10.00	15.00
017687	108	3	110	19.00	27.00	18.00	26.00

All the above brackets will be furnished with insertion unless otherwise ordered, except No. 110, which will be furnished with oak head unless locust is specified.

In ordering, specify whether japanned or galvanized finish is desired.



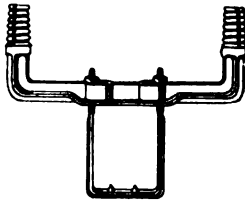
No. 105



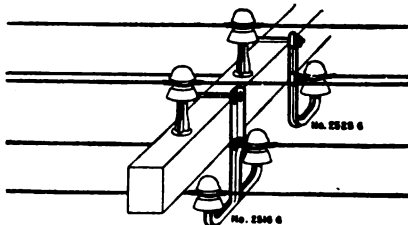
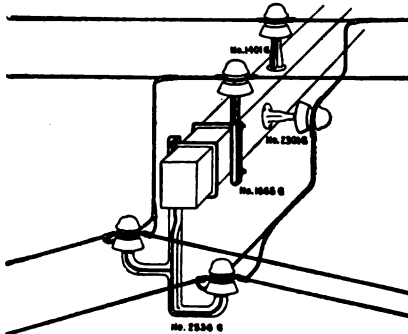
No. 108

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LINE MATERIAL CO. ARMS AND BRACKETS



Nos. 2500 to 2503



Showing Brackets Installed



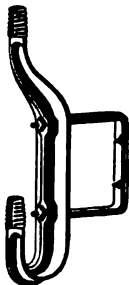
Nos. 1660 to 1666



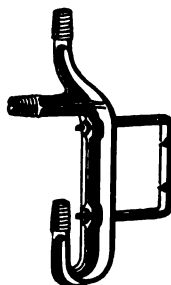
Nos. 1630 to 1637



Nos. 1640 to 1647



Nos. 2870, 2871



Nos. 2880, 2881

MALLEABLE IRON BREAK ARMS

Made in one solid piece of malleable iron, and well ribbed. These arms are extra strong and will give good service. Prices for break arm do not include the cross arm straps, which are listed below.

STRAIGHT BREAK ARMS

Trade No.	Mfrs. No.	Finish	Spread Inches	Price per 100
133624	2500J	Japanned	12	\$38.00
133625	2501G	Galvanized	12	42.00
133626	2502J	Japanned	18	56.00
133627	2503G	Galvanized	18	62.00

DUPLEX BREAK ARMS

These break arms can be used to carry the wires either parallel to the cross arm, shown in illustration No. 2516G, or at right angles to the cross arm, shown in illustration No. 2536G.

Straight Type				
133628	2515J	Japanned	9½	42.00
133629	2516G	Galvanized	9½	50.00
133630	2517J	Japanned	18	58.00
133631	2518G	Galvanized	18	66.00

Staggered Type

Where more than one set of services are taken off the same insulator, these brackets allow a clearance between the wires which cross.

133632	2535J	Japanned	9½	56.00
133633	2536G	Galvanized	9½	66.00

Transposition Arms

133634	2524J	Japanned	...	32.00
133635	2525G	Galvanized	...	40.00

NOTE:—Cross arm straps must be ordered separately.

MALLEABLE IRON CLAMP PINS

Japanned			
Trade No.	Mfrs. No.	Height of Arms, Inches	Price per 100
133636	1660J	4¾	\$20.00
133637	1661J	6	21.00
Galvanized			
133638	1665G	4¾	24.00
133639	1666G	6	25.00

Cross arm straps are not included in above prices. NOTE:—These pins can be used with one cross arm strap in connection with the duplex break arms listed above, to take off a three-phase service.

CROSS ARM STRAPS

Made of malleable iron, well ribbed, with two projections which dig into the wood arm.

Horizontal						
Size of Arm Inches	JAPANNED			GALVANIZED		
	Trade No.	Mfrs. No.	Price per 100	Trade No.	Mfrs. No.	Price per 100
3¼x4¼	133640	1630J	\$16.00	133648	1634G	\$18.00
3½x4½	133641	1631J	16.50	133649	1635G	18.50
3¾x4¾	133642	1632J	17.00	133650	1636G	19.00
4 x5	133643	1633J	17.50	133651	1637G	19.50
Vertical						
3¼x4¼	133644	1640J	16.00	133652	1644G	18.00
3½x4½	133645	1641J	16.50	133653	1645G	18.50
3¾x4¾	133646	1642J	17.00	133654	1646G	19.00
4 x5	133647	1643J	17.50	133655	1647G	19.50

CLAMP BRACKETS

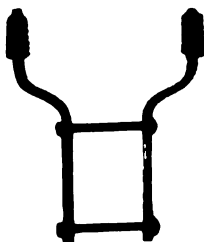
Trade No.	Mfrs. No.	Description	Price per 100
133656	2870J	Two point, japanned.....	\$61.00
133657	2871G	Two point, galvanized.....	73.50
133658	2880J	Three point, japanned.....	70.00
133659	2881G	Three point, galvanized....	84.00

Cross arm straps are not included in above prices.

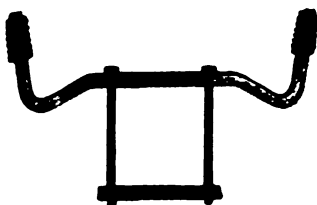
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE BRACKETS

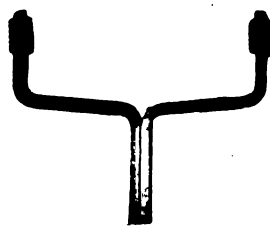
Hot Galvanized



Nos. 222, 225



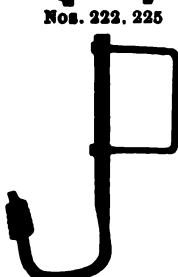
No. 223



No. 224

BREAK ARMS

Nos. 222, 223 and 225 break arms bolt around the arms and are adjustable to any size of arm between $3\frac{1}{4} \times 4\frac{1}{4}$ and 4×5 inches. No. 224 fits in $1\frac{1}{2}$ -inch pin hole.



Nos. 110, 111

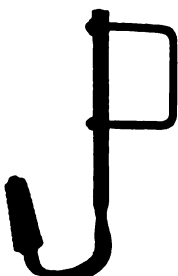


Nos. 112, 113

Trade No.	Mfra. No.	DIMENSIONS, INCHES			Std. Pkg.	Wt., Lbs. per 100	Price per 100
		Spacing	Channel	Bolts			
75060	222	9	$\frac{3}{4}$	$\frac{3}{8}$	10	180	\$31.00
75061	223	12	1	$\frac{3}{8}$	10	240	38.00
75062	224	12	1	..	20	200	38.00
75063	225	10	1	$\frac{1}{2}$	10	205	39.00

TRANSPOSITION BRACKETS

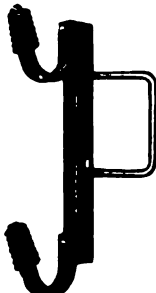
Brackets shown with "U" bolts are furnished with bolts bent for $3\frac{1}{4} \times 4\frac{1}{4}$ -inch arms unless otherwise specified, but can be furnished with bolts bent for any size up to 4×5 inches. The No. 115 bracket bolts to the shank of a $\frac{1}{2}$ -inch steel pin below the arm and is held by the pin nut. The No. 238 bracket is for the transposition of telephone lines on routes with extremely long spaces between poles. Two brackets are needed for each crossover.



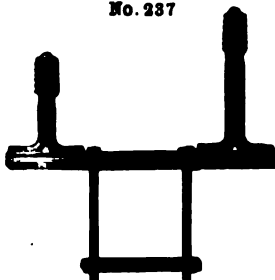
No. 114



No. 115



No. 237



No. 238

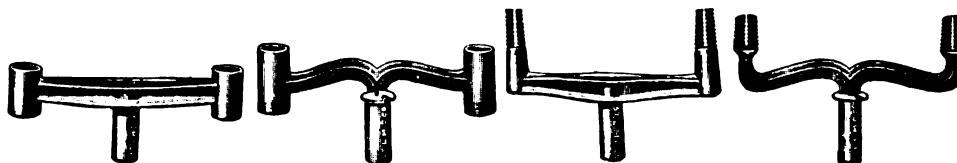
Trade No.	Mfra. No.	DIMENSIONS, INCHES			Std. Pkg.	Wt., Lbs. per 100	Price per 100
		Channel	Back	"U" Bolt			
75101	110	$\frac{3}{4}$	...	$\frac{3}{8}$	25	108	\$22.00
75102	111	1	...	$\frac{3}{8}$	25	170	29.00
75103	112	$\frac{3}{4}$	1	..	25	96	19.00
75104	113	$\frac{3}{4}$	$1\frac{1}{4}$	..	25	156	25.00
75105	114	1	...	$\frac{3}{8}$	25	170	33.00
75106	115	1	...	..	25	135	22.00
75107	237	$\frac{3}{4}$	1	$\frac{3}{8}$	20	201	34.00
75108	238	$\frac{3}{4}$	$1\frac{1}{4}$	..	10	380	70.00
75109	437	$\frac{3}{4}$	$1\frac{1}{4}$	$\frac{3}{8}$	10	400	70.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MALLEABLE IRON ARMS

BREAK AND FEEDER ARMS

For High Tension Wires

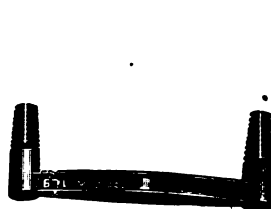


Nos. 180, 181, 182, 183, 268

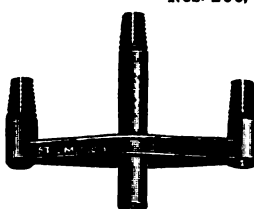
Nos. 186, 186B

Nos. 184, 185, 196, 269
Nos. 266, 267, 3-Pin

Nos. 187, 188



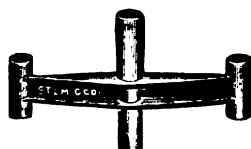
Nos. 197, 262



No. 263



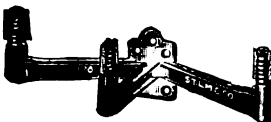
Nos. 260, 261



Nos. 264, 265



Nos. 176, 177



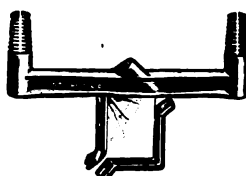
Nos. 178, 179



No. 600



No. 601

Feeder Arm
with Way Clamp

Trade No.	Mfrs. No.	No. of Pins	Space of Bet. Holes	DIMENSIONS, INCHES			Wt. Lbs. per 100	PRICE, PER 100			
				Pin Hole	Head from Arm	Arm Hole		WITH INSERTION		WITHOUT INSERTION	
								Jap.	Galv.	Jap.	Galv.
012306	180	2	12	1 1/2	5	...	350	...	...	\$32.00	\$43.25
012307	181	2	12	1 1/4	5	...	320	...	...	28.00	37.00
017704	182	2	18	1 1/2	8	1 1/2	700	...	...	42.00	68.00
017706	183	2	18	1 1/2	8	1 1/4	700	...	...	42.00	68.00
017708	268	2	24	1 1/2	10	1 1/2	900	...	...	55.00	85.00
012310	186	2	14	1 1/2	6	...	350	...	...	32.00	43.00
012355	186B	2	14	1 1/4	6	...	350	...	...	29.00	39.00
012308	184	2	12	...	5	1 1/4	325	32.00	42.00	30.00	40.00
012309	185	2	12	...	5	1 1/2	410	32.00	42.25	30.00	40.25
017715	196	2	18	...	7	1 1/2	580	42.00	60.00	40.00	58.00
017718	269	2	24	...	10	1 1/2	900	54.00	84.00	52.00	82.00
017721	266	3	9	...	7 & 3	1 1/4	600	48.00	68.00	45.00	71.00
017724	267	3	9	...	7 & 3	1 1/2	600	48.00	68.00	45.00	71.00
012311	187	2	14	...	6	1 1/4	370	32.00	42.00	30.00	40.00
012312	188	2	14	...	6	1 1/2	370	32.00	42.50	30.00	40.00
017713	197	2	18	...	7	...	550	42.00	60.00	40.00	58.00
017710	262	2	12	...	5	...	300	32.00	48.00	30.00	46.00
017727	263	3	9 & 9	...	7	1 1/2	850	59.00	90.00	56.00	87.00
017700	260	2	12	1 1/4	5	...	250	...	...	32.00	48.00
017702	261	2	12	1 1/2	5	...	250	...	...	32.00	48.00
017730	264	3	9 & 9	1 1/2	7	1 1/2	800	...	...	72.00	100.00
017732	265	3	9 & 9	1 1/4	7	1 1/2	800	...	...	72.00	100.00
098737	176	2	12	...	5	...	250	26.00	34.00	24.00	32.00
098739	177	2	18	...	5	...	400	44.00	57.00	42.00	55.00
098741	178	3	18	...	5	...	450	53.00	68.00	50.00	65.00
098743	179	3	18	...	9	...	500	58.00	74.00	55.00	71.00
27567	600	2	15	...	4 & 8	...	400	42.00	58.00	40.00	56.00
27568	601	1	...	...	9	...	200	21.00	29.00	20.00	28.00

The illustration of feeder arm with way clamp shows the manner in which way clamp is added to any feeder arm. For this addition, add to above prices, per 100, japanned, \$14.00; galvanized, \$20.00, including bolts. Way clamps will more than double the life of cross-arms.

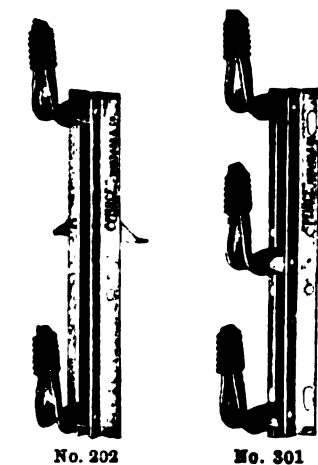
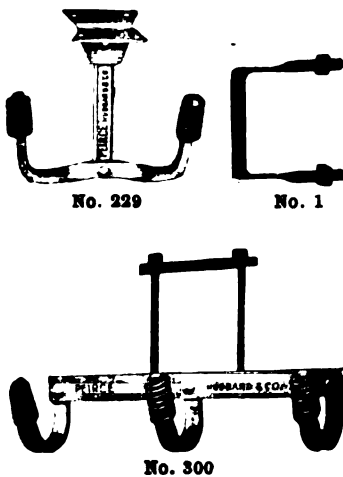
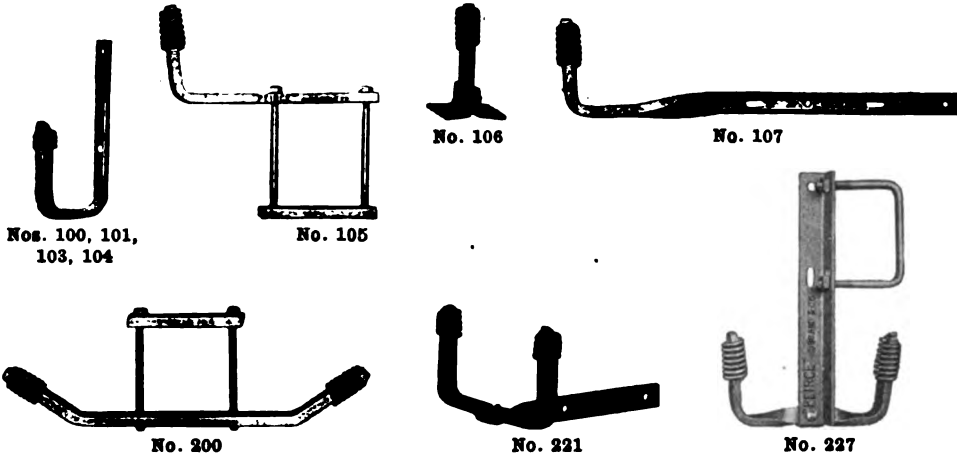
Slotted heads furnished with insertion, unless otherwise ordered.

In ordering, specify whether japanned or galvanized finish is desired.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE BRACKETS

Hot Galvanized



CROSS-ARM BRACKETS

Trade No.	Mfrs. No.	DIMENSIONS, INCHES				Std. Wt., Lbs.	Price
		Length	Holes	Channel	Spacing	per 100	per 100
75064	100	....	$\frac{7}{8}$	$\frac{3}{4}$	..	25 46	\$10.80
75065	101	....	$\frac{7}{8}$	$\frac{3}{4}$	..	25 56	11.80
75066	103	....	$\frac{7}{8}$	1	..	25 85	15.00
75067	104	$8\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{4}$	..	25 85	15.00
75068	105	....	..	1	..	10 180	22.00
75069	106	5	$\frac{3}{8}$	$\frac{3}{4}$	..	25 68	12.00
75070	107	$18\frac{1}{2}$	$\frac{1}{2}$	1	..	25 164	28.00
75071	200	....	..	1	16	10 216	38.00
75072	221	$9\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{4}$	8	20 155	30.00
75073	227	$11\frac{1}{2}$	..	$\frac{3}{4}$	8	20 196	42.00
75074	229	$7\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	8	10 205	33.00
75075	300	....	..	$\frac{3}{4}$	7	10 340	39.00

CROSS-ARM STRAPS

Trade No.	Mfrs. No.	Size of Arm Inches	Size of Bolt Inches	Std. Pkg.	Wt., Lbs. per 100	Price per 100
75055	1	$3\frac{1}{4} \times 4\frac{1}{4}$	$\frac{1}{2}$	100	91	\$10.50
75056	2	$3\frac{1}{2} \times 4\frac{1}{2}$	$\frac{1}{2}$	100	102	11.00
75057	3	$3\frac{3}{4} \times 4\frac{3}{4}$	$\frac{1}{2}$	100	113	11.50
75058	4	4 x 5	$\frac{1}{2}$	100	126	12.00
75059	5	5 x 6	$\frac{1}{2}$	100	148	14.00

SPREADER BRACKETS

Spreader brackets fasten around the arm with the cross-arm straps listed below. The ends of straps fit in the long center slot of bracket.

Trade No.	Mfrs. No.	Extension	Spacing	Channel	Holes	Width of Back Inches	Std. Wt., Lbs. per 100	Price per 100
75051	201	$4\frac{1}{2}$	10	1	$\frac{7}{8}$	$2\frac{1}{2}$	10 290	\$50.00
75052	202	$4\frac{1}{2}$	12	1	$\frac{7}{8}$	$2\frac{1}{2}$	10 375	54.00
75053	301	$4\frac{1}{2}$	$6\frac{1}{2}$	1	$\frac{7}{8}$	$2\frac{1}{2}$	10 390	71.00
75054	302	$4\frac{1}{2}$	$6\frac{1}{2}$	1	$\frac{7}{8}$	$2\frac{1}{2}$	10 450	75.00

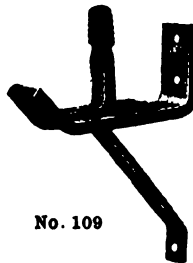
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE POLE BRACKETS

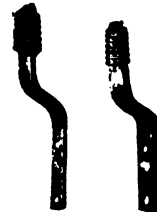
Hot Galvanized



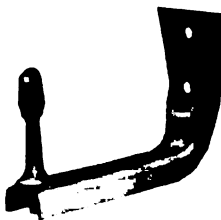
No. 108



No. 109



No. 143 No. 144



No. 142



No. 308



No. 321

POLE BRACKETS

The No. 308 is a pole bracket for secondary circuits for use instead of secondary racks. The No. 321 is used on poles in connection with spreader brackets on the arms for running wires from end to end of the arms. The hump fits over the head of the cross-arm through bolt. The No. 109 is a pole bracket for heavy feeder wires.

Trade No.	Mfrs. No.	DIMENSIONS, INCHES				Std. Pkg.	Wt., Lbs. per 100	Price per 100
		Channel	Extension	Spacing	Holes			
75110	108	1 $\frac{3}{4}$	4	...	1 $\frac{1}{8}$	20	186	\$35.00
75111	109	1 $\frac{3}{4}$	6	...	1 $\frac{1}{8}$	10	302	62.00
75114	143	$\frac{3}{4}$	3	...	$\frac{5}{8}$	25	56	7.70
75115	144	1	3 $\frac{1}{2}$	...	$\frac{7}{8}$	25	108	17.00
75113	142	{ 10 ga. sheet }	12	...	$\frac{9}{16}$	10	365	75.00
75116	308	1	3 $\frac{1}{2}$	6 $\frac{1}{2}$	$\frac{7}{8}$	20	330	66.00
75118	321	$\frac{3}{4}$	3 $\frac{1}{2}$	4 $\frac{1}{2}$	$\frac{5}{8}$	20	265	37.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE PRESTEEL BRACKETS

Hot Galvanized



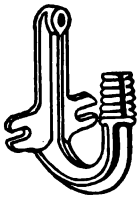
No. 153

These New Presteel Brackets are 100 per cent stronger than the channel brackets of the same weight. The pressed steel construction puts the strength where the greatest strain comes. The thread has greater resilience than ever before and cannot lock insulators. They are hot galvanized and this coating preserves their original strength. Excessive strains may bend them but they will never break and let the wires down.

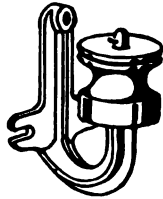
Trade No.	Mfrs. No.	Style	DIMENSIONS, INCHES			Std. Pkg.	Wt., Lbs. per 100	Price per 100
			Extension	Spacing	Size of Holes			
120166	136	Light	4	....	3/7	25	60	\$ 9.00
120167	137	Heavy	4 1/2	....	3/8	25	100	17.00
120168	138	Heavy	4 1/2	....	3/8	25	100	17.00
120169	153	Light	4	....	3/7	25	75	10.00
120170	154	Heavy	4 1/2	....	5/8	25	100	15.00
120171	253	Light	4	9	5/8	20	188	26.00
120172	253 1/2	Light	4	6 1/2	5/8	20	175	25.00
120173	254	Heavy	4 1/2	9	5/8	20	244	35.00
120174	254 1/2	Heavy	4 1/2	6 1/2	5/8	20	235	33.00
120175	353	Light	4	6 1/2	5/8	20	275	38.00
120176	354	Heavy	4 1/2	6 1/2	5/8	20	350	49.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

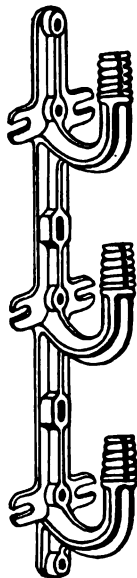
LINE MATERIAL CO. BRACKETS AND RACKS



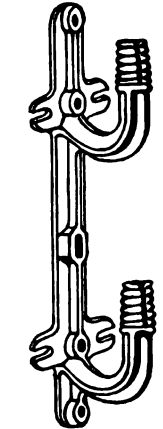
Nos. 2100 and 2101



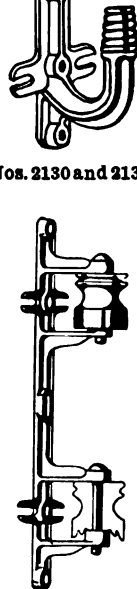
Nos. 2200 and 2201



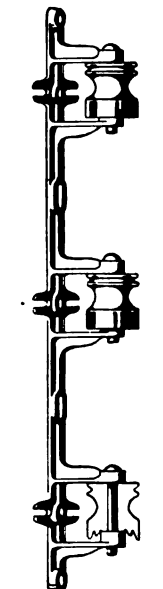
Nos. 2130 and 2131



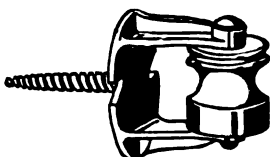
Nos. 2110 and 2111



Nos. 2410 to 2413



Nos. 2420 to 2423



Nos. 2430 to 2433

UNIVERSAL BRACKETS

These brackets are of malleable iron and are exceptionally strong. Can be dead ended on with safety. Each hole is located just where the practical user wants it, and they can be put up in a minimum amount of time as the line-man can get to the screw heads. The back-strap measures $3\frac{1}{2}$ inches across.

ONE-POINT BRACKETS

Trade No.	Mfrs. No.	Description	Price per 100
133556	2100J	Japanned	\$15.50
133557	2101G	Galvanized	17.50
133558	2200J	Japanned, with No. 700 Insulator	25.00
133559	2201G	Galvanized, with No. 700 Insulator	27.00

TWO-POINT BRACKETS

133560	2110J	Japanned	34.00
133561	2111G	Galvanized	38.00

THREE-POINT BRACKETS

133562	2130J	Japanned	50.00
133563	2131G	Galvanized	56.00

SERVICE RACKS

These racks are stronger than any house bracket because all of the metal is in tension, none in bending, which means that the racks would have to be pulled apart before they would give way. The racks are easily put up, all holes being conveniently located. Made of one solid piece of malleable iron, and shipped with the insulators complete.

Can be used in either a horizontal or vertical position, enabling one bracket to take the place of two.

TWO-POINT RACKS

Spacing between Spools, $8\frac{1}{2}$ Inches

Trade No.	Mfrs. No.	Description	Price per 100
133564	2410J	Japanned, with No. 700 Insulator	\$56.00
133565	2411G	Galvanized, with No. 700 Insulator	61.00

Spacing between Spools, $7\frac{1}{2}$ Inches

133566	2412J	Japanned, with No. 800 Insulator	48.00
133567	2413G	Galvanized, with No. 800 Insulator	55.00

THREE-POINT RACKS

Spacing between Spools, $6\frac{1}{4}$ Inches

133568	2420J	Japanned, with No. 700 Insulator	85.00
133569	2421G	Galvanized, with No. 700 Insulator	91.00

Spacing between Spools, $5\frac{1}{4}$ Inches

133570	2422J	Japanned, with No. 800 Insulator	79.00
133571	2423G	Galvanized, with No. 800 Insulator	85.00

ONE-POINT SCREW RACKS

133572	2430J	Japanned, with No. 700 Insulator	28.00
133573	2431G	Galvanized, with No. 700 Insulator	32.00
133574	2432J	Japanned, No. 800 Insulator	19.50
133575	2433G	Galvanized, No. 800 Insulator	22.50

NOTE:—For description of insulators, see another page.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LINE MATERIAL CO. SECONDARY RACKS

One piece malleable iron. Re-enforced ribbed construction makes these racks very strong. All holes in back are slotted and will take a bolt up to $\frac{5}{8}$ inch. Racks can be erected assembled.

TWO-SPOOL RACKS

$3\frac{1}{4}$ -inch Spaced Insulators

Trade No.	Mfrs. No.	Description	Price per 100
133586	2700J	Rack only, japanned	\$60.00
133587	2701J	Rack and insulators, japanned	92.00
133588	2702G	Rack only, galvanized	74.00
133589	2703G	Rack and insulators, galvanized	102.00

7-inch Spaced Insulators

133590	2710J	Rack only, japanned	80.00
133591	2711J	Rack and insulators, japanned	102.00
133592	2712G	Rack only, galvanized	94.00
133593	2713G	Rack and insulators, galvanized	118.00

THREE-SPOOL RACKS

$3\frac{1}{4}$ -inch Spaced Insulator

133594	2720J	Rack only, japanned	88.00
133595	2721J	Rack and insulators, japanned	128.00
133596	2722G	Rack only, galvanized	100.00
133597	2723G	Rack and insulators, galvanized	143.00

7-inch Spaced Insulators

133598	2730J	Rack only, japanned	121.00
133599	2731J	Rack and insulators, japanned	147.00
133600	2732G	Rack only, galvanized	145.00
133601	2733G	Rack and insulators, galvanized	195.00

FOUR-SPOOL RACKS

$5\frac{1}{2}$ -inch Spaced Insulators

133602	2750J	Rack only, japanned	170.00
133603	2751J	Rack and insulators, japanned	230.00
133604	2752G	Rack only, galvanized	230.00
133605	2753G	Rack and insulators, galvanized	250.00

FIVE-SPOOL RACKS

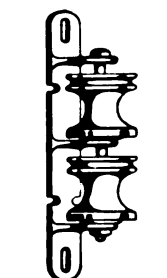
$3\frac{1}{4}$ -inch Spaced Insulators

133606	2760J	Rack only, japanned	166.00
133607	2761J	Rack and insulators, japanned	230.00
133608	2762G	Rack only, galvanized	212.00
133609	2763G	Rack and insulators, galvanized	260.00

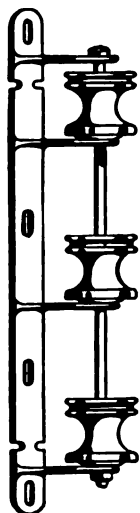
$5\frac{1}{4}$ -inch Spaced Insulators

133610	2770J	Rack only, japanned	186.00
133611	2771J	Rack and insulators, japanned	250.00
133612	2772G	Rack only, galvanized	232.00
133613	2773G	Rack and insulators, galvanized	280.00

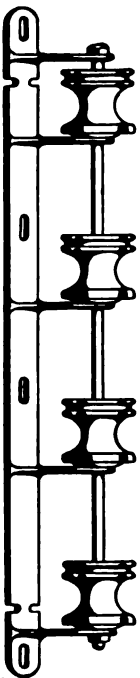
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Nos. 2700 to 2703



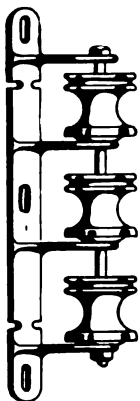
Nos. 2730 to 2733



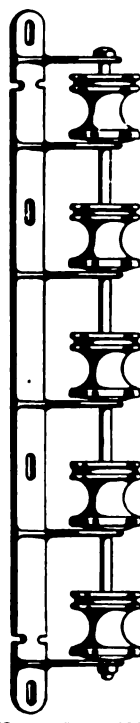
Nos. 2750 to 2753



Nos. 2710 to 2713



Nos. 2720 to 2723



Nos. 2770 to 2773

NATIONAL WALL BRACKETS

Sherardized



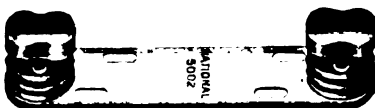
No. 5000

National Wall Brackets have been designed with several distinctive purposes in view; to improve appearance of service connections; to reduce distribution costs; to insure greater security.



No. 5001

The design is distinctive; the necessity of using tie-wires is entirely eliminated, although they may be used when desired. Ordinarily, however, wires are run through the iron bound insulators. At dead-ends they are simply looped as shown in illustration. Holes are sufficiently large to take a No. 6 weatherproof wire. Insulators have a working capacity of 800 volts, and are practically unbreakable.



No. 5002

All metal parts are sherardized, and consequently absolutely rust proof. Prices are for brackets complete, including insulators.



No. 5003

Phantom View of Center Insulator Shows Construction

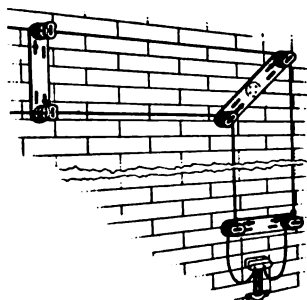


Illustration of Application

CORNER CHAIRS

Trade No.	Mfrs. No.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price per 100
135179	5000	100	30	\$9.00

ONE-POINT BRACKETS

135180	5001	100	70	23.00
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TWO-POINT BRACKETS

135181	5002	50	95	48.00
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THREE-POINT BRACKETS

135182	5003	25	65	72.00
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PORCELAINS

135183	5020	100	50	11.00
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U BOLTS AND NUTS

135184	5021	100	6	5.00
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE BRACKETS

Hot Galvanized

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 2900



No. 2901



No. 2902



No. 2910

DISTRIBUTING RACKS

For Telephone Wires

These racks furnish a secure but inexpensive means for distributing twisted pair telephone wires from cable poles. Nos. 2900, 2901 and 2902 are made with $1\frac{3}{4}$ -inch channel steel back, pressed steel eyes and $\frac{3}{8}$ -inch through bolts.

Channel Frame, Single

Trade No.	Mfrs. No.	Pairs of Wires	Wt., Lbs. per 100	Price per 100
75311	2900	4	225	\$50.00
75312	2901	6	300	66.00
75313	2902	8	475	82.00

Malleable Frame, Single

75314	2910	5	350	123.00
75315	2911	8	400	153.00

Malleable Frame, Double

75316	2912	10	515	192.00
75317	2913	18	615	270.00

Above prices are for racks complete with knobs.

SINGLE-KNOB FIXTURES

These small fixtures are for either telephone or lighting wires, but for the latter they should only be used in localities not visited by snow and sleet.

No. 2922 fixture can be fastened to wood buildings with a screw in the center hole and to brick buildings with a Peirce Expansion Bolt, making a very strong fastening and one which is especially adapted to duplex service wires.

No. 2920 is a redesign of the Peirce Knob Screw in which the shank is lengthened to $2\frac{1}{2}$ inches.



No. 2920



No. 2922



No. 2924

Trade No.	Mfrs. No.	Wt., Lbs. per 100	Price per 100
75318	2920	35	\$ 8.00
75319	2922	48	12.00
75320	2924	40	10.00

Above prices, complete with knobs.

PEIRCE BRACKETS

Hot Galvanized



No. 250



No. 350



No. 450



No. 355



No. 356

SECONDARY RACKS

Secondary racks take the place of secondary cross-arms. On them, the party secondary circuits are strung with the wires in vertical instead of horizontal alignment, thus allowing the taking off of service wires without crossing of wires and without the aid of buck arms or spreader brackets.

The rack arms are pressed from sheet steel and have the same strength as the double channel arms previously used, but give better alignment and a smoothly rounded top surface, allowing insulated wires to be pulled in over them without injuring the insulation.

The width of the back of the rack is $2\frac{3}{4}$ inches with a slot $\frac{3}{4}$ inch wide between the two angles which allows the use of $\frac{5}{8}$ -inch through or lag bolts for fastening the rack to the pole. The side slots in the back angles are $\frac{1}{2} \times 1$ inch and are used in fastening the rack to buildings, etc., with $\frac{3}{8}$ -inch and smaller expansion bolts, lags or wood screws. The distance from the side of the pole to the center of the insulators of the standard rack is 4 inches. Special racks for any desired number of wires, spacing or extension from the wall can be furnished promptly.

Trade No.	Mfrs. No.	No. of Line Wires	DIMENS. INCHES Spacing	Length Over All	Std. Pkg.	WITHOUT INSULATORS		WITH INSULATORS	
						Wt., Lbs. per 100	Price per 100	Wt., Lbs. per 100	Price per 100
75152	250	2	4	$8\frac{3}{4}$	10	360	\$56.00	560	\$72.00
75153	350	3	4	$12\frac{3}{4}$	10	500	75.00	800	99.00
75154	450	4	4	$16\frac{3}{4}$	10	620	96.00	1020	128.00
75160	540	5	4	$20\frac{3}{4}$	10	740	115.00	1240	155.00
75161	258	2	8	$12\frac{3}{4}$	10	500	75.00	700	91.00
75162	358	3	8	$20\frac{3}{4}$	10	740	115.00	1040	139.00

Insulators for Secondary Racks

Insulators furnished with the above racks are of the best grade of porcelain, brown glazed. The standard insulator has one large groove which will take six No. 0 weatherproof service wires. Its under surface is grooved to give a petticoat insulating surface.

The special insulator, No. 356, has two large grooves, one for tying in the main circuit and the other for the service wires. This special double grooved insulator can be furnished on orders, if specified.

All insulators for Peirce Racks are packed in corrugated paper compartment boxes holding 30, 50 and 100 insulators. Breakage and chipping is thereby positively eliminated, and the insulators are handled and stored more conveniently and with less expense than under the old method of packing in barrels.

Trade No.	Mfrs. No.	Description	Wt., Lbs. per 100	Price per 100
75158	355	Standard single groove.....	100	\$8.00
75159	356	Special double groove.....	105	9.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE BRACKETS

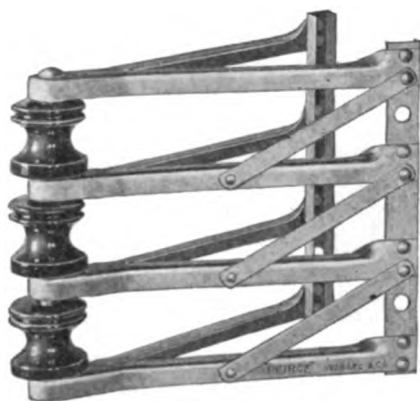
Hot Galvanized

EXTENSION SECONDARY RACKS

In some localities local or state regulations demand that no wire be nearer to the center of the pole than 13 inches, and to meet this condition, these extensions racks have been developed.

This type of rack is also usable on joint pole lines where pole room is scant, and it is desired to run the secondary mains past a transformer and on the same level as the transformer instead of above or below it.

The rack is fastened to the pole by four lag screws, and is rigidly braced against strains in any direction.



No. 351

The extension from the center of pole to the center of insulators is 14 inches and the opening of the base is 8 inches. The legs have enough spring to allow them to be used on any size pole. The holes in the base are $\frac{1}{8}$ inch for $\frac{5}{8}$ -inch or $\frac{1}{2}$ -inch lags.

Trade No.	Mfrs. No.	No. of Line Wires	DIMENS., INCHES		Std. Pkg.	WITHOUT INSULATORS		WITH INSULATORS	
			Spacing	Length Over All		Wt., Lbs. Per 100	Price Per 100	Wt., Lbs. Per 100	Price Per 100
75155	251	2	4	8 $\frac{3}{4}$	5	735	\$110.00	935	\$126.00
75156	351	3	4	12 $\frac{3}{4}$	5	1000	150.00	1300	174.00
75157	451	4	4	16 $\frac{3}{4}$	5	1245	186.00	1645	218.00
120151	541	5	4	20 $\frac{3}{4}$	5	1500	222.00	2000	262.00
120152	259	2	8	12 $\frac{3}{4}$	5	1000	150.00	1200	166.00
120153	359	3	8	20 $\frac{3}{4}$	5	1500	222.00	1800	246.00

EXTENSION BRACKETS FOR SECONDARY RACKS



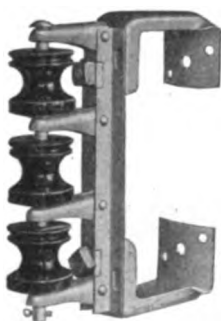
No. 3355

By the addition of a pair of these extension brackets, any one of the standard secondary racks listed on preceding page may be converted in a moment from a 4 to a 10-inch extension from the face of the pole or wall. This allows the line wires to clear transformers, water spouts, or other wires, and to comply with regulations specifying a minimum wire clearance of 13 inches from the line wires to the center of the pole.

The brackets are made in two styles, with flat and with curved backs, for wall and pole use, respectively. The curved back type has one $\frac{1}{8}$ -inch hole for a $\frac{5}{8}$ -inch through bolt and two $\frac{1}{8}$ -inch holes for $\frac{1}{2}$ -inch lag screw.

The flat back bracket has one $\frac{1}{8}$ -inch and two $\frac{5}{16}$ -inch holes for $\frac{1}{2}$ -inch and $\frac{1}{4}$ -inch Peirce Expansion Bolts.

Brackets are made of No. 9 gauge steel, are 6 inches long, have a 4-inch bearing on the pole or wall, and are each equipped with a $\frac{5}{8}$ x2-inch carriage bolt.



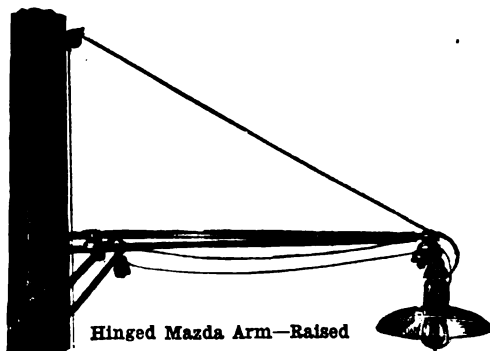
No. 350 Rack Equipped with a Pair of No. 3355 Brackets

Trade No.	Mfrs. No.	Description	Wt., Lbs. Per 100 Pairs	Price Per 100 Pairs
120154	3355	Curved back, for poles	430	\$48.00
120155	3356	Flat back, for walls...	430	48.00

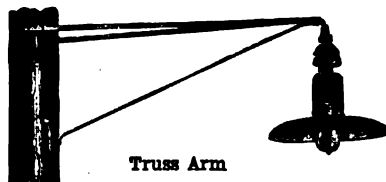
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE BRACKETS

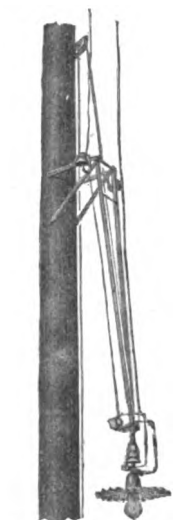
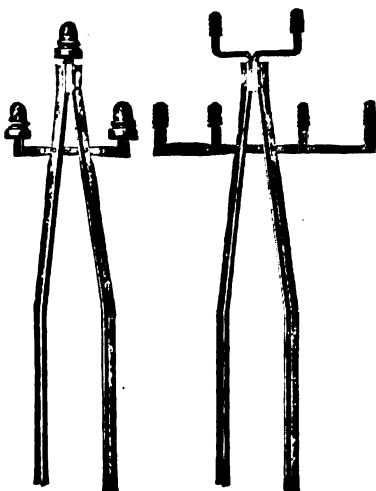
Hot Galvanized



Hinged Mazda Arm—Raised



Truss Arm

Hinged Mazda Arm
LoweredFire Alarm Fixtures
Three-Wire
Assembly Six-Wire
Assembly

HINGED MAZDA ARMS

The development of the series Mazda street lighting system made necessary an arm whereby the lamps could be hung out beyond the line of foliage and still be readily accessible to linemen for cleaning and renewals.

The Peirce Hinged Arms meet the demand. They are made of 1-inch channel steel and hot galvanized. They are thoroughly braced to resist wind pressure and are yet light and inexpensive. Furnished with standard $\frac{3}{4}$ -inch threaded connection for hood.

Trade No.	Mfrs. No.	Length Feet	Wt. Lbs.	Price Each
75386	6	6 $\frac{1}{2}$	16	\$2.86
75387	8	8 $\frac{1}{2}$	19 $\frac{1}{2}$	3.10
75388	10	10 $\frac{1}{2}$	22 $\frac{3}{4}$	3.56
75389	12	12 $\frac{1}{2}$	25 $\frac{1}{2}$	3.82

TRUSS ARMS

These arms are substitutes for the old goosenecks. They are made of $\frac{3}{4}$ -inch channel steel, braced to resist all strains and hot galvanized. They will never need painting or renewal. Where it is unnecessary to hang the lamp more than 6 feet from the pole they have no equal.

Trade No.	Mfrs. No.	Length Feet	Wt. Lbs.	Price Each
75390	370	4	8	\$1.70
75391	371	6	12	2.32

FIRE ALARM FIXTURES

These are combination fixtures used for carrying signal wires on telephone and telegraph poles. Any number of wires, from one to six, can be correctly spaced on the various brackets which are bolted to the angle legs.

The supporting legs are made of $1\frac{3}{4} \times 1\frac{3}{4} \times \frac{1}{4}$ -inch steel angle, the insulator brackets of $1 \times \frac{1}{2} \times \frac{1}{8}$ -inch steel channel.

The entire fixture is thoroughly galvanized.

Bolt holes, $\frac{3}{8}$ inch, for $\frac{1}{2}$ -inch through bolts.

Trade No.	Mfrs. No.	Description	Wt. Lbs. per 100	Price per 100
75392	2590	One-point bracket.....	50	\$11.00
75393	2591	Two-point bracket.....	175	39.00
75394	2592	Pair angle legs.....	1120	135.00
75395	2593	Two-point arm.....	150	43.50
75396	2594	Four-point arm.....	350	83.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

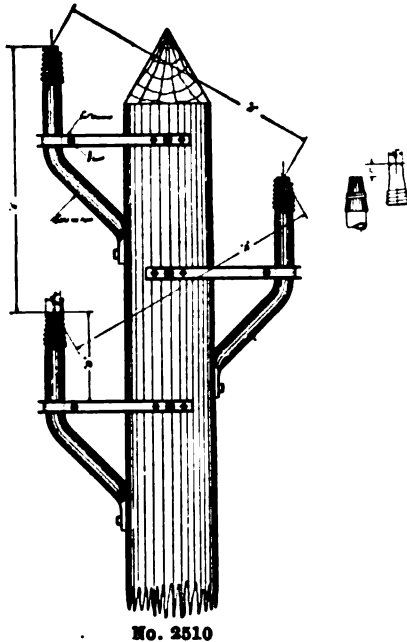
PEIRCE BRACKETS

Hot Galvanized

HI-TEN BRACKETS

PIN TYPE

These Hi-Tension Brackets have been developed to meet the demand for an inexpensive bracket sufficiently strong and with proper spacing for carrying the high tension distributing circuits in voltages of 33000 and less. Obviously they may be arranged on the pole in any manner desired. They may be used with or without ground wire bayonet. Because of their truss bracing they will meet any service strain even at sharp corners. They are furnished in several sizes and with separable thimbles or spring thread. The brace can be bent to fit almost any diameter of pole and is provided with three holes on each side of pole to meet such adjustment.



24-inch Triangle Style

Trade No.	Mfrs. No.	Style Thimble	Size, INCHES A B	Wt., Lbs. per 100	Price per 100
75461	2510	Spring	24 8	535	\$107.00
75462	2511	Separable	24 8	535	108.50

36-inch Triangle Style

75463	2512	Spring	36 10	735	147.00
75464	2513	Separable	36 10	735	148.50

52-inch Triangle Style

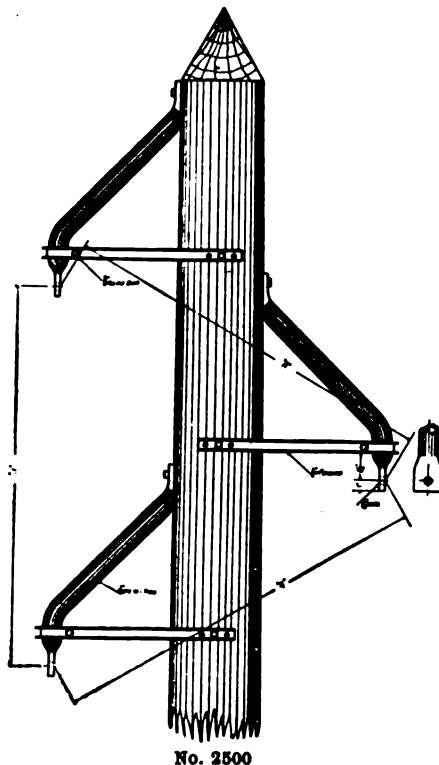
75465	2514	Spring	52 12	1133	226.00
75466	2515	Separable	52 12	1133	227.50

The Peirce Drawn Steel Separable Thimbles shown on these brackets are drawn from 18 gauge sheet steel into a seamless shell with rolled thread. They are stronger than cast iron thimbles and weigh but one fourth as much.

SUSPENSION TYPE

These brackets correspond in every way with the pin type brackets, but are made for suspension insulators.

Used with one link or insulator unit, they will meet conditions on high tension distributing circuits of 33000 volts and less.



36-inch Triangle Style

Trade No.	Mfrs. No.	A-Dimen. Inches	Wt., Lbs. per 100	Price per 100
75467	2500	36	635	\$127.00

52-inch Triangle Style

75468	2501	52	1000	200.00
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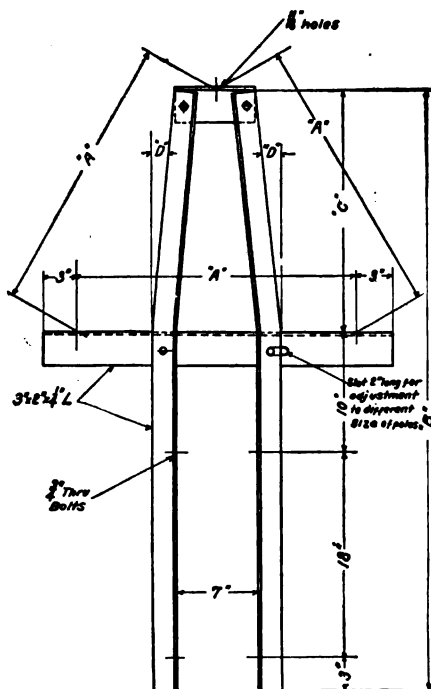
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE EXTENSIONS

Hot Galvanized

HI-TENSION EXTENSIONS

For bringing in a high tension circuit on an existing pole route without replacing the poles or lowering the wires. Fastened to the pole with two through bolts. Adjustable to pole of from 7 to 10 inches in diameter. When bolted to the pole the fixture is very rigid. It is arranged for use with either Peirce Clamp Pins or any pins of the through bolt type. Can be furnished to any special dimensions. Made from 3x2-inch steel angle and thoroughly galvanized.



No. 2370

24-inch Triangle Style

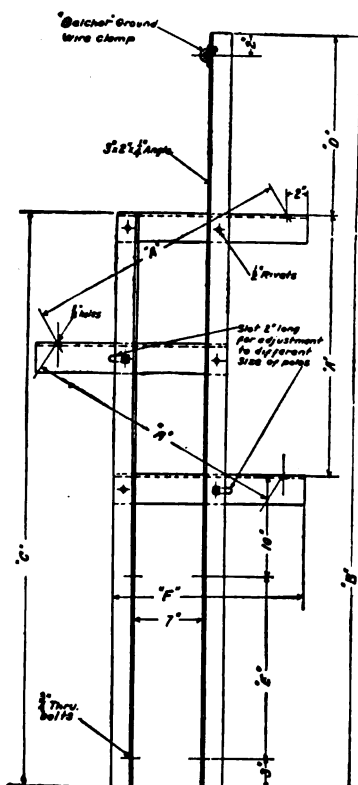
Trade No.	Mfrs. No.	DIMENSIONS, INCHES			Wt., Lbs. Each	Price Each
75411	2370	A	B	C	35	\$3.85

36-inch Triangle Style

75412	2371	36	62	31	45	4.95
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HI-TENSION EXTENSIONS WITH BAYONET

Provides for the three circuit wires and the grounded guard wire above. To bring in a high tension circuit over an existing route without replacing the poles or lowering the present wires. It is adjustable to any diameter of pole from 7 to 10 inches. Arranged for use with Peirce Clamp Pins or pins of the through bolt type. Made from 3x2-inch angle and thoroughly galvanized. Extensions of special dimensions can be furnished promptly.



No. 2380

26-inch Triangle Style

Trade No.	Mfrs. No.	DIMENSIONS, INCHES					Wt., Lbs. Each	Price Each
75413	2380	A	B	C	D	E	50	\$5.50

36-inch Triangle Style

75414	2381	36	91½	67½	24	18	61	6.70
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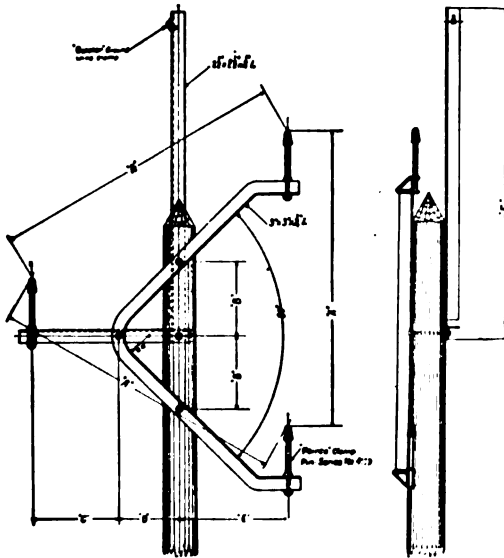
52-inch Triangle Style

75415	2382	52	127	95	32	30	80	8.80
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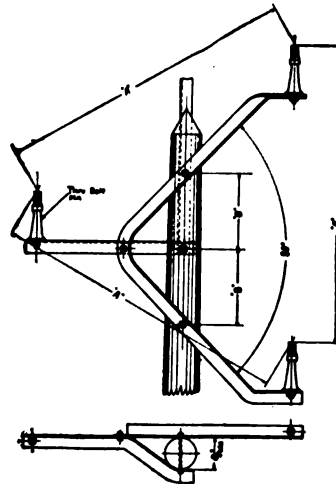
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBARD BO-ARROW ARMS

PLAIN OR HOT GALVANIZED



No. 2400 with Bayonet



No. 2403

For high tension circuits from 33000 to 66000 volts, the Bo-Arrow Arm represents the latest practice on single circuit poles.

It is fastened with but three through bolts which also hold the ground wire bayonets.

The holes go straight through the poles at right angles to the arm instead of going at three different angles as with other triangular arms. With this design of arm, maximum strength is secured with minimum weight.

The arm is made for 24, 36, 52 and 72-inch triangles and in two styles as illustrated: One for through bolt pins and one for Peirce Clamp Pins. The latter are recommended as being stronger at less cost. Arms are made from 3x3x $\frac{1}{4}$ -inch steel angle, except the 24-inch size which is 2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x $\frac{1}{4}$ inch.

FOR PEIRCE CLAMP PINS

Mfrs. No.	Triangle Spacing Inches	Wt., Lbs. Each	Plain		Galvanized	
			Trade No.	Price Each	Trade No.	Price Each
2400A	24	25	75454	\$1.35	75455	\$1.86
2400	36	39	75436	2.10	75442	2.90
2401	52	52	75437	2.70	75443	3.60
2402	72	69	75438	3.40	75444	4.70

FOR THROUGH BOLT PINS

Mfrs. No.	Triangle Spacing Inches	Wt., Lbs. Each	Plain		Galvanized	
			Trade No.	Price Each	Trade No.	Price Each
2403A	24	25	75456	1.35	75457	1.86
2403	36	39	75439	2.10	75445	2.90
2404	52	52	75440	2.70	75446	3.60
2405	72	69	75441	3.40	75447	4.70

STRAIGHT BAYONETS

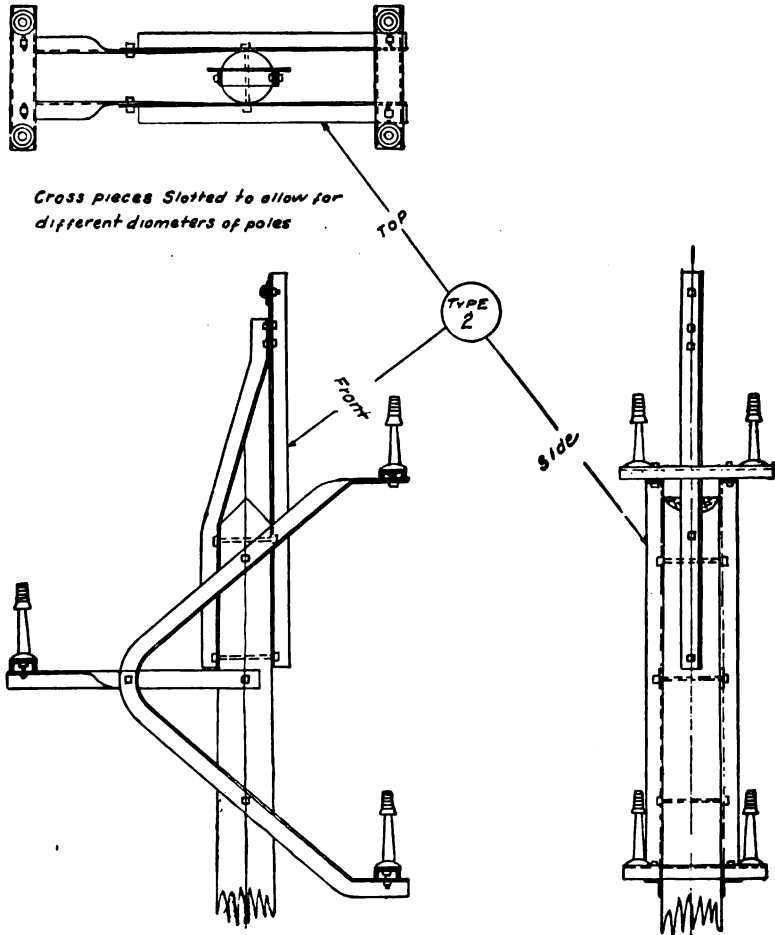
Mfrs. No.	Length Inches	Size of Angle Inches	Wt., Lbs. Each	Plain		Galvanized	
				Trade No.	Price Each	Trade No.	Price Each
3100A	32	2 x2 x $\frac{1}{4}$	8 $\frac{1}{2}$	75458	\$0.47	75459	\$0.62
3100	50	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x $\frac{1}{4}$	17	75448	.94	75451	1.24
3103	66	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x $\frac{1}{4}$	22 $\frac{1}{2}$	75449	1.12	75452	1.52
3105	75	3 x3 x $\frac{1}{4}$	31	75450	1.50	75453	2.06

For bayonets complete with Belcher Clamps, add 18 cents to list price.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBARD BO-ARROW ARMS

DOUBLE, FOR CORNERS AND DEAD ENDING



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Double Arming Arrangement Hubbard Forged Steel Pins

TYPE 1 FOR PIERCE CLAMP PINS

Mfrs. No.	Triangle Spacing Inches	Wt., Lbs. Each	Plain		Galvanized	
			Trade No.	Price Each	Trade No.	Price Each
2410	24	52	89918	\$3.64	89922	\$4.36
2411	36	113	89919	7.91	89923	9.46
2412	52	139	89920	9.73	89924	11.64
2413	72	173	89921	12.11	89925	14.49

TYPE 2 FOR THROUGH BOLT PINS

Mfrs. No.	Triangle Spacing Inches	Wt., Lbs. Each	Plain		Galvanized	
			Trade No.	Price Each	Trade No.	Price Each
2415	24	52	89926	3.64	89930	4.36
2416	36	113	89927	7.91	89931	9.46
2417	52	139	89928	9.73	89932	11.64
2418	72	173	89929	12.11	89933	14.49

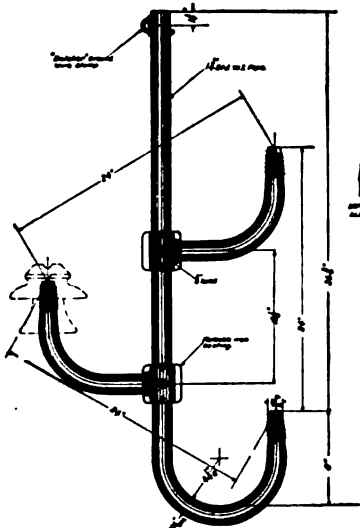
CORNER BAYONETS

With Bolts for Fastening Parts Together

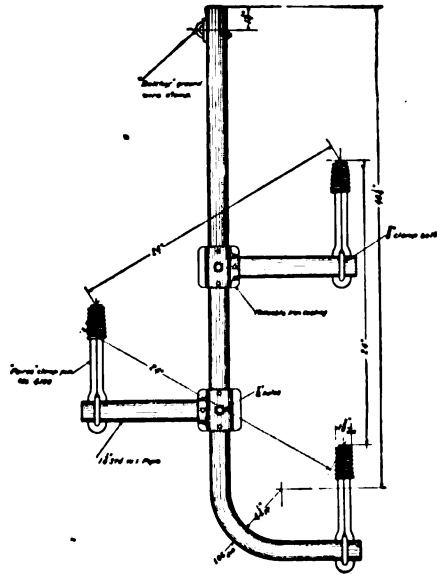
Mfrs. No.	Length Inches	Size of Angle Inches	Wt., Lbs. Each	Plain		Galvanized	
				Trade No.	Price Each	Trade No.	Price Each
3110	32	2 x2 x1/4	16	89934	\$0.90	89938	\$1.36
3111	50	2 x2 x1/4	26	89935	1.46	89939	2.21
3112	66	2 1/2 x2 1/2 x1/4	44	89936	2.46	89940	3.74
3113	75	2 1/2 x2 1/2 x1/4	50	89937	2.80	89941	4.25

PEIRCE FIXTURES

Hot Galvanized



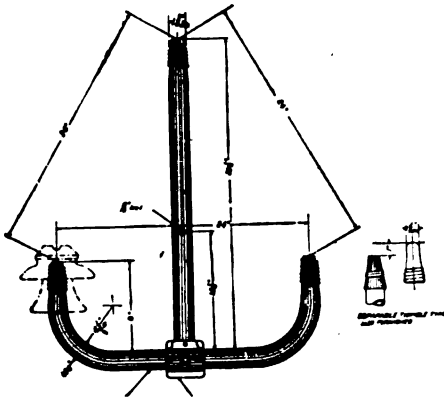
No. 2351



No. 2352

HI-TEN FIXTURES

These fixtures, for high tension distributing lines below 22000 volts provide a secure, inexpensive support for such circuits, which can be placed with a minimum of labor and expense. They are fastened to the poles with two through bolts. The malleable castings are very heavy, with re-enforcing webs and fillets, and are strengthened by one leg of the pipe which extends through the casting. The fixtures are hot galvanized inside and out after assembly.



No. 2350

Trade No.	Mfrs. No.	Style	Wt., Lbs. Each	Price Each
75491	2351	Spring	22	\$4.40
75492	2361	Separable	22	4.55
75493	2352	Spring	19	*3.80
75494	2350	Spring	15	3.00
75495	2360	Separable	15	3.15

*Price is for fixture only without pins. For price of pins, see one of the preceding pages.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBARD STEEL POLE BANDS

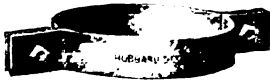
FOR ATTACHING SPAN WIRES TO TUBULAR POLES



Solid Band, Single-Bolt



Solid Band, Double-Bolt



Split Band, Double-Bolt



Split Band, Three-Bolt

Solid Band and Step
Single-Bolt

SOLID BANDS

Single-Bolt

Trade No.	Size of Steel Inches	Nominal Diameter of Pole Inches	Actual Outside Diameter of Pole Inches	Wt., Lbs. per 100	Price per 100
99733	1½x¾	4	4½	160	\$21.50
99734	1½x¾	4½	5	172	23.25
99735	1½x¾	5	5½	185	25.00
99736	1½x¾	6	6⅝	210	28.00

Double-Bolt

99737	1½x¾	4	4½	200	27.00
99738	1½x¾	4½	5	212	28.75
99739	1½x¾	5	5½	225	30.50
99740	1½x¾	6	6⅝	250	33.50

SPLIT BANDS

Double-Bolt

Trade No.	Size of Steel Inches	Nominal Diameter of Pole Inches	Actual Outside Diameter of Pole Inches	Wt., Lbs. per 100	Price per 100
99741	1½x¾	4	4½	205	\$28.00
99742	1½x¾	4½	5	220	30.00
99743	1½x¾	5	5½	235	32.00
99744	1½x¾	6	6⅝	255	34.25

Three-Bolt

99745	1½x¾	4	4½	245	33.00
99746	1½x¾	4½	5	260	35.00
99747	1½x¾	5	5½	275	37.00
99748	1½x¾	6	6⅝	295	39.25

STEEL POLE BANDS AND STEPS

Solid Band, Single-Bolt

Trade No.	Size of Steel Inches	Nominal Diameter of Pole Inches	Actual Outside Diameter of Pole Inches	Wt., Lbs. per 100	Price per 100
99749	1½x¾	4	4½	215	\$28.50
99750	1½x¾	4½	5	230	30.50
99751	1½x¾	5	5½	245	32.50
99752	1½x¾	6	6⅝	260	35.00
99753	1½x¾	7	7⅝	295	38.50
99754	1½x¾	8	8⅝	320	42.25
99755	1½x¾	9	9⅝	345	46.00
99756	1½x¾	10	10¾	375	50.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HUBBARD SPECIALTIES



Pole Brace Strut

POLE BRACE STRUTS

An extremely strong but inexpensive strut for self-bracing poles.

Trade No.	DIMENSIONS, INCHES			Wt., Lbs. Each	Price Each
	Extension	Strut Channel	Brace Channel		
99861	11	2x $\frac{3}{8}$	1x $\frac{1}{2}$	8 $\frac{1}{2}$	\$2.00

MESSENGER SHEAVE PLATES

Two-Wheel

Trade No.	Length of Plate Inches	Size of Steel Inches	Wt., Lbs. Plate only	Price per 100 Plate only
99862	15	2 $\frac{1}{2}$ x $\frac{3}{8}$	335	\$30.00

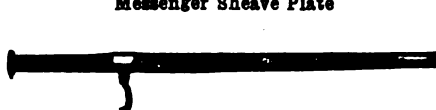
Wheels for Above

Trade No.	DIMENSIONS, INCHES		Wt., Lbs. per 100	Price per 100
	Diam.	Thickness		
99863	3	1	100	\$25.00



Messenger Sheave Plate

MANHOLE LIFTERS



Manhole Lifter

Trade No.	Length Feet	Wt., Lbs. Each	Price Each
99864	4	7 $\frac{1}{2}$	\$5.00

GALVANIZED PIPE STRAPS

Trade No.	Nominal Size of Pipe Inches	Outside Diam., In.	No. of Pieces per Pound	Price per 100 Lbs
99865	$\frac{1}{4}$	$\frac{9}{16}$	32	\$8.50
99866	$\frac{3}{8}$	$\frac{11}{16}$	30	8.00
99867	$\frac{1}{2}$	$\frac{13}{16}$	24	7.50
99868	$\frac{3}{4}$	1 $\frac{1}{16}$	20	7.00
99869	1	1 $\frac{3}{16}$	18	6.50
99870	1 $\frac{1}{4}$	1 $\frac{7}{16}$	16	6.00
99871	1 $\frac{1}{2}$	1 $\frac{9}{16}$	10	5.50
99872	2	2 $\frac{3}{8}$	8	5.00
99873	2 $\frac{1}{2}$	3 $\frac{1}{4}$	4	4.50
99874	3	3 $\frac{1}{2}$	4	4.50
99875	3 $\frac{1}{2}$	4	3	4.00
99876	4	4 $\frac{1}{2}$	3	4.00



Pipe Strap

CABLE DUCT SHIELDS

For Protecting Cables at Duct Entrances



Cable Duct Shield

Trade No.	Length Inches	Size of Duct Inches	Gauge No.	Wt., Lbs. per 100	Price per 100
99877	6	3	18	40	\$12.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MATTHEWS' SCRULIX ANCHORS

Matthews' Scrulix Anchors are screwed into the solid, undisturbed ground without any digging. They have no moving parts to adjust or assemble. They are made in one piece, ready for your men to screw into the ground. They are made entirely of iron, galvanized. This is the reason why they resist corrosion.

The use of the wrench on the smaller sizes prevents twisting and therefore weakening of the rods, and protects the galvanizing of the rods, which would otherwise be twisted off.



Quantity List Prices and Data for Ordering

Trade No.	Mfrs. No.	Diam. of Anchor Inches	Size of Rod Inches	Wt. Lbs.	Less than 12	PRICE, PER 100	12 to 50	Over 50
042050	502R	5	1/2	6 1/2	\$180.00	\$162.00	\$150.00	
042051	603R	6	5/8	10	264.00	240.00	220.00	
042052	704R	7	3/4	15	410.00	380.00	350.00	
042053	800	8	1 1/8	38	700.00	700.00	700.00	
042054	1000	10	1 1/4	50	1000.00	1000.00	1000.00	
042055	1200	12	1 1/2	80	1500.00	1500.00	1500.00	

Anchor Wrenches

042056	567	25	663.00	663.00	612.00	
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Ratchet Handle

049057	*765	7	700.00	700.00	700.00	
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Anchor Wrench and Ratchet Handle Combined

049058	1332	32	1000.00	1000.00	1000.00	
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No. 1332 combines No. 567 and No. 765.

Mfrs. No.	Size of Rods, In.	Description	Wt., Lbs. per 100
502R	1/2-round	Rod anchor, for lightest strains	650
603R	5/8-round	Rod anchor, for medium strains	1000
704R	3/4-round	Rod anchor, for heavy strains	1500
567	.....	For installing the 5, 6 and 7-inch anchors	2500
765	.....	For use with No. 567 wrenches	700
1332	.....	Combines Nos. 567 and 765	3200
800	1 1/8-square	Rod anchor, for heavy strains	3800
1000	1 1/4-square	Rod anchor, for heavier strains	5000
1200	1 1/2-square	Rod anchor, for very heavy strains	8000

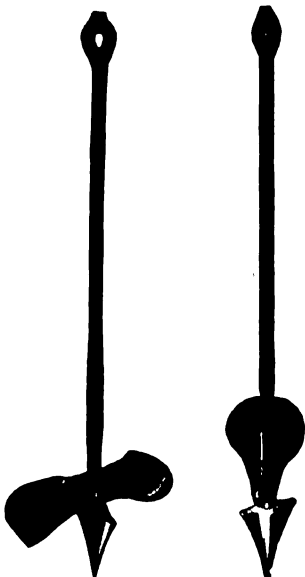
All rod anchors are 6 feet long over all. The 5, 6 and 7-inch anchors will be furnished with Armco iron rods. Rods of 5, 6 and 7-inch anchors are guaranteed to outlast galvanized steel rods of same cross section of any other anchor. Rods of 8, 10 and 12-inch anchors are guaranteed to outlast galvanized steel round rods whose diameters are 1 1/8, 1 1/4 or 1 1/2 inches. A No. 567 wrench must be used with all anchors smaller than No. 800. No wrench is needed for Nos. 800, 1000 or 1200 anchors.

*The No. 765 ratchet handle is for use with the No. 567 wrench and is very useful where it is desired to screw the anchor down next to walls, fences, etc. Do not confuse the ratchet handle with the No. 567 wrench.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ANCHORS AND ANCHOR RODS

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Drive and Twist Anchor

DRIVE AND TWIST ANCHORS

The anchor is driven into the ground the desired depth with a sledge or maul. The blades are set by twisting to the right three revolutions. The design of the blades, like those of a screw propeller, causes them to spread when the anchor is twisted. The pitch is such that they spread to an angle of 90 degrees with the rod in three revolutions. The pull is on solid earth that has not been disturbed.

Trade No.	Mfrs. No.	Length of Shaft, Ft.	Diam. of Shaft, In.	Span of Blades, In.	Weight Pounds	Price Each
33677	1	4	3/4	8	10	\$0.90
33678	2	5	7/8	10	12	1.25
33679	3	6	7/8	12	15	1.50

HARPOON GUY ANCHORS

Harpoon guy anchors are made of steel through-out, and are not only the easiest to install but the hardest to loosen of all patent anchors.

They are driven down with a sledge and set by a pull. One man can install a harpoon guy anchor in 10 minutes. No digging, boring, tamping or special tool is required.

The wings open out in undisturbed ground and will withstand any strain met in ordinary pole line service. Each wing is 7 inches long, 1 1/2 inches wide and 3/8 inch thick, and when properly set present 10 1/2 square inches of resisting surface to pull up, or a total for the four wings of 42 square inches in solid ground at a depth of 4 1/2 feet.

The rod is 1 square inch in cross section. The sharp point will pierce roots or buried obstructions and chip off or turn aside stones.

Trade No.	Rod Length Feet	Finish	Wt. Lbs.	PRICE, EACH		
				1 to 49	50 to 99	100 and over
054366	5	Black enamel	23	\$1.45	\$1.35	\$1.30
054367	5	Galvanized	23	1.65	1.55	1.50

ADJUSTARODS—TYPES A AND B

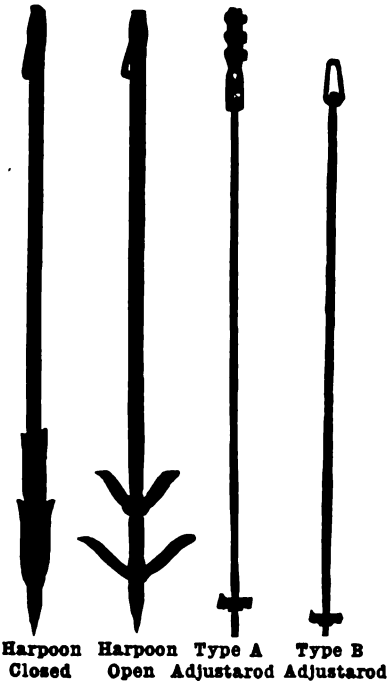
Adjustarods are the only all-in-one metal equipments for "dead man" anchor installations. They also have the additional valuable advantage of turnbuckle properties, permitting slack in guy wire to be taken up at any time by merely applying a monkey wrench to the upper end of the rod.

Type A consists of a clamp, pulley, swivel, rod, washer and base nut.

Type B consists of eye, swivel, rod, washer and base nut.

Adjustarods are ordered as a unit and handled as such up to installation—no separate parts to forget or lose.

The rods of both Type A and Type B are 5/8 inch in diameter and threaded 12 inches on lower end.



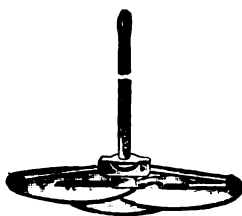
Trade No.	Rod Type	Rod Length Feet	Finish	PRICE, EACH		
				1 to 49	50 to 99	100 and over
054368	A	5	Galvanized only	\$1.15	\$1.05	\$1.00
054369	B	5	Galvanized only	.70	.60	.55

EVERSTICK ANCHORS

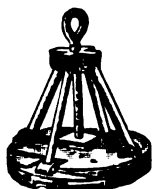
Everstick Anchors expand into solid and undisturbed earth at bottom of hole. There is absolutely no backward movement. It is not necessary to pull them up a foot or two to make them firm. The expanding is done by striking the anchor with a tamping bar. Ordinary standard guy rods used in Everstick Anchors.



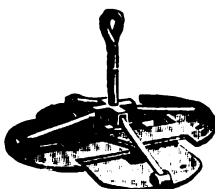
Two-way Anchor Closed



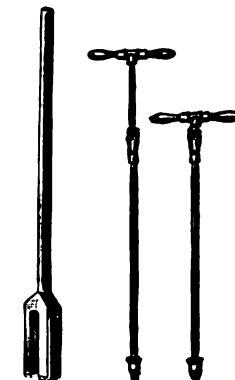
Two-way Anchor Expanded



Four-way Anchor Closed



Four-way Anchor Expanded



Tamping Bar Teles. Auger Handles

TWO-WAY ANCHORS

6-foot Rods, Galvanized

Trade No.	Size Inches	Size, In. Expanded	Price, Each		
			1/2-inch	3/4-inch	1-inch
023024	5	5x 9	\$0.75	\$0.95	....
023025	6	6x11	1.00	1.20	....
023026	8	8x15	....	1.45	1.60

8-foot Rods, Galvanized

023027	5	5x 9	....	1.10	....
023028	6	6x11	....	1.35	....
023029	8	8x15	....	1.60	1.85

TWO-WAY ANCHORS, WITHOUT RODS

Trade No.	Size Inches	Weight Pounds	Size, In. Anchor Expanded	Sq. In. of Holding Surface	Price Each
023030	5	4	5x 9	45	\$0.50
023031	6	7 1/2	6x11	66	.75
023032	8	13 1/2	8x15	120	1.00

FOUR-WAY ANCHORS

6-foot Rods, Galvanized

Trade No.	Size Inches	Size, In. Expanded	Price, Each			
			1/2-inch	3/4-inch	1-inch	1-inch
023034	6	11x11	\$1.15	\$1.35	\$1.50	....
023035	8	15x15	....	1.95	2.10	2.75
023033	10	19x19	....	....	3.10	3.75

8-foot Rods, Galvanized

023037	6	11x11	....	1.50	1.75	....
023038	8	15x15	....	2.10	2.35	2.90
023036	10	19x19	....	....	3.35	3.90

FOUR-WAY ANCHORS, WITHOUT RODS

Trade No.	Size Inches	Weight Pounds	Size, In. Anchor Expanded	Sq. In. of Holding Surface	Price Each
023040	6	10 1/2	11x11	121	\$0.80
023041	8	18 1/2	15x15	225	1.50
023042	10	31	19x19	361	2.50

TAMPING BARS

Trade No.	Description	Weight Pounds	Price Each
023043	9 feet long, hickory, with iron shoe.....	17	\$1.00

BLACKBURN'S TELESCOPING AUGER HANDLES

Trade No.	Description	Weight Pounds	Price Each
023044	Will bore 8-foot holes	17	\$2.50

IWAN AUGER BLADES

Trade No.	Description	Weight Pounds	Price Each
023046	Will bore 5-inch holes	4	\$1.50
77331	Will bore 6-inch holes	6	1.50
77332	Will bore 8-inch holes	7	1.75
023047	Will bore 10-inch holes	8	2.00

STANDARD ADJUSTABLE AUGER BLADES

Trade No.	Description	Price Each
77333	Will bore 5 to 8-inch holes	\$2.50
77334	Will bore 8 to 14-inch holes	3.00



Iwan Auger Blades

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE TURNBUCKLES AND ANCHORS

INSULATED FORKS AND TURNBUCKLES

Hot Galvanized

The turnbuckles, hook and eyebolts are drop-forged. The insulator forks are made from open-hearth steel channel.



No. 550



No. 561



No. 640



Insulator Fork



No. 650



No. 660



No. 670



No. 680



No. 690

Trade No.	Mfrs. No.	Style	Std. Wt., Lbs. Pkg. per 100	Price per 100
75511	549	Cross-arm clevis, 3 1/4 x 4 1/4-inch arms	25 134	\$20.00
75512	550	Cross-arm clevis, 3 1/2 x 4 1/4-inch arms	25 138	20.50
75513	551	Cross-arm clevis, 3 3/4 x 4 1/4-inch arms	25 144	21.00
75514	552	Cross-arm clevis, 4 x 5-inch arms....	25 150	21.50
75515	561	Insulated fork for heavy secondaries	100 221	24.00
75516	640	Insulated fork and 4-inch lag screw	10 155	22.00
75517	650	Insulated fork and eye, 6-inch turnbuckle	10 356	144.00
75518	651	Insulated fork and eye, 9-inch turnbuckle	10 381	156.00
75519	660	Two insulated forks and 6-inch turnbuckle	10 435	160.00
75520	661	Two insulated forks and 9-inch turnbuckle	10 460	176.00
75521	670	Insulated fork and hook, 6-inch turnbuckle	10 341	136.00
75522	671	Insulated fork and hook, 9-inch turnbuckle	10 366	148.00
75523	680	Insulated fork and swivel eye, 6-inch turnbuckle	10 304	150.00
75524	681	Insulated fork and swivel eye, 9-inch turnbuckle	10 329	162.00
75525	690	Insulated fork and 8-inch carriage bolt.....	10 170	30.00
75526	691	Insulated fork and 10-inch carriage bolt.....	10 187	32.00
75527	692	Insulated fork and 12-inch carriage bolt.....	10 204	34.00
75528	693	Insulated fork and 14-inch carriage bolt.....	10 221	36.00



Anchor Plate



Anchor Rod

HERCULES ANCHORS

Hercules Anchors consist of a malleable iron plate with re-enforcing webs and socket and a welded eyebolt with button-shaped head to fit in socket of plate. The illustrations show their use. It will be noted that the strain comes against solid earth because of the ingenious manner of setting.

Trade No.	Mfrs. No.	Size of Plate Inches	Size of Rod	Wt., Lbs. per 100 Sets	PRICE, EACH		
					Plain Plate and Rod	Galv. Rod Plain Plate	Galv. Rod and Plate
75529	H-1	5x10	1/2 in. x6 ft.	825	\$1.30	\$1.50	\$2.10
75530	H-2	6x15	5/8 in. x6 ft.	1300	1.60	1.80	2.40
75531	H-3	8x18	3/4 in. x7 ft.	2250	3.20	3.50	4.80
75532	H-4	10x22	1 in. x8 ft.	4550	5.60	6.20	8.40
75533	H-5	12x30	1 1/4 in. x9 ft.	7750	8.00	8.80	12.00
75534	Channel cutting tool; weight, 15 pounds.....						3.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BOLTS AND WASHERS

DOUBLE ARMING BOLTS

Plain and Galvanized

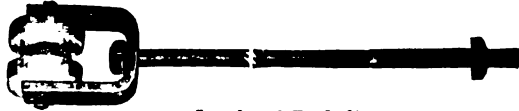


Prices include Four Nuts, but no Washers

Trade No.	Diameter Inches	Length Inches	Wt., Lbs. per 100	Price per 100	Trade No.	Diameter Inches	Length Inches	Wt., Lbs. per 100	Price per 100
42221	1/2	12	86	\$12.70	42245	5/8	17	164	\$23.24
90454	1/2	13	90	13.22	42246	5/8	18	171	24.00
42222	1/2	14	93	13.74	42247	5/8	20	186	25.52
42223	1/2	15	96	14.26	42248	5/8	22	200	27.04
42224	1/2	16	100	14.78	42249	5/8	24	214	28.66
42225	1/2	17	103	15.30	90455	3/4	12	177	28.80
42226	1/2	18	107	15.82	42251	3/4	14	198	31.00
42227	1/2	20	115	16.86	90456	3/4	15	209	32.10
42228	1/2	22	123	17.90	42252	3/4	16	219	33.20
42229	5/8	12	129	19.44	90457	3/4	17	230	34.30
42230	5/8	14	143	20.96	42253	3/4	18	240	35.40
42231	5/8	15	150	21.72	42254	3/4	20	261	37.60
42232	5/8	16	157	22.48	42255	3/4	22	232	39.80



Welded Eyebolt



Insulated Eyebolt

Trade No.	Diam. Inches	Length Inches	Wt., Lbs. per 100	Price per 100	Trade No.	Diam. Inches	Length Inches	Wt., Lbs. per 100	Price per 100
058025	1/2	6	56	\$15.00	058048	5/8	14	170	\$24.58
058027	1/2	8	69	16.04	058050	5/8	16	189	26.10
058029	1/2	10	82	17.08	058052	5/8	18	208	27.62
058031	1/2	12	95	18.12	058054	5/8	20	227	29.14
058033	1/2	14	107	19.20	058059	3/4	10	205	30.05
058035	1/2	16	119	20.24	058061	3/4	12	233	32.25
058037	1/2	18	132	21.28	058063	3/4	14	260	34.45
058039	1/2	20	144	22.32	058065	3/4	16	287	36.65
058042	5/8	8	113	20.02	058067	3/4	18	314	38.85
058044	5/8	10	132	21.54	058069	3/4	20	341	41.05
058046	5/8	12	151	23.06	.....	.....	.....	.....	.....

Bolts up to 12 inches long have 4-inch thread; bolts longer than 12 inches have 6-inch thread.
Prices include square nuts.

INSULATED EYEBOLTS

Trade No.	Description	Wt., Lbs. per 100	Price per 100
114699	With 1/2x 4-inch lag screw	155	\$40.50
114700	With 1/2x 8-inch machine bolt	170	55.50
114701	With 1/2x10-inch machine bolt	187	59.00
114702	With 1/2x12-inch machine bolt	204	62.50
114703	With 1/2x14-inch machine bolt	221	66.00



Square Washer



Round Washer

Trade No.	Size Inches	For Size Bolt, In.	Wt., Lbs. per 100	Price per 100	Trade No.	Size Inches	For Size Bolt, In.	Wt., Lbs. per 100	Price per 100
058070	2 x2 x1/8	1/2, 5/8	13	\$1.65	058074	4x4x1/8	3/4, 1	84	\$ 9.25
058072	2 1/4x2 1/4x1/8	1/2, 5/8, 3/4	25	2.75	058075	5x5x1/8	1, 1 1/4, 1 1/2	128	12.75
058073	3 x3 x1/8	3/4	45	5.35	.....	.....	.....	.....	.....

ROUND WASHERS

Trade No.	Diam. Inches	Size of Hole, In.	Size of Bolt, In.	Thickness Wire Gauge	Wt., Lbs. per 100	Price per 100
058076	1 1/8	9/16	3/8	14 (5/16)	2	\$0.47
058077	1 3/8	9/16	1/2	12 (3/8)	3	.63
058078	1 3/4	1 1/8	5/8	10 (1/2)	4	1.17
058079	2	1 5/8	3/4	9 (3/8)	7	1.47

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

RODS AND TURNBUCKLES

ANCHOR OR GUY RODS

Plain and Galvanized



Prices do not include Washers

Trade No.	Diameter Inches	Length Feet	Wt., Lbs. per 100	Price per 100	Trade No.	Diameter Inches	Length Feet	Wt., Lbs. per 100	Price per 100
42168	1/2	5	295	\$45.00	42176	3/4	4	595	\$81.50
42169	1/2	6	340	51.30	42186	3/4	5	730	88.75
42170	1/2	7	395	57.60	42187	3/4	6	840	96.25
42171	5/8	4	415	52.75	42188	3/4	7	950	109.50
42172	5/8	5	500	61.50	42189	3/4	8	1080	123.00
42173	5/8	6	590	71.00	42190	3/4	9	1210	136.00
42174	5/8	7	680	81.25	42191	1	8	2350	240.75
42175	5/8	8	770	89.50	42192	1	10	2900	288.50

GROUND RODS

Plain and Galvanized



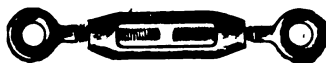
Without Wires

42204	3/8	5	176	25.90	42213	1/2	7	390	42.75
42205	3/8	6	213	29.60	42214	5/8	6	555	58.60
42206	1/2	5	330	33.30	42215	5/8	7	640	69.00
42207	1/2	6	360	36.45	42216	5/8	8	725	79.50

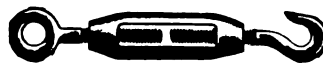
With No. 10 B. & S. Copper Wire Attached

42269	1/2	5	340	44.50	93443	5/8	6	565	74.00
42270	1/2	6	370	50.75	....	....	....	....	....

TURNBUCKLES



Turnbuckle with Two Eyes



Turnbuckle with Hook and Eye

With Two Eyes				With Hook and Eye		
Diam. of Bolt, In.	Expansion Inches	Wt., Lbs. per 100	Trade No.	Price per 100	Trade No.	Price per 100
1/2	6	170	114685	\$66.00	114692	\$62.00
1/2	9	225	114686	76.00	114693	72.00
1/2	12	300	114687	88.00	114694	84.00
5/8	9	340	114688	94.00	114695	90.00
5/8	12	425	114689	108.00	114696	104.00
3/4	9	460	114690	112.00	114697	108.00
3/4	12	510	114691	130.00	114698	126.00

PARAGON GROUND CONES



Trade No.	Mfra. No.	Length Feet	Gauge Copper	Price Each
08006	1	1	25	\$2.75
08007	2	2	25	4.00
08008	3	1	21	3.25
08009	4	2	21	4.50

Nos. 1 and 2 are for telephone and telegraph construction.

Nos. 3 and 4 are recommended for electric light installation. Prices on special sizes upon application.

The cone is furnished complete, with charcoal and with braided, hollow copper cable of 61968 C. M. cross section, into which the ground wire may be soldered. The cable is securely soldered to the bottom of the cone.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LINE MATERIAL

Plain and Galvanized



Guy Clamp



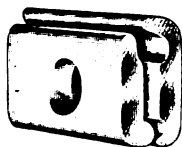
Universal Clamp



Standard Wire Rope Clip



Crosby Wire Rope Clip



Suspension Clamp



Messenger Hanger



Guy Hook



Pole Shim



Wire Rope Thimble

GUY CLAMPS

Galvanized Rolled Steel

Trade No.	No. of Bolts	Size Inches	Std. Pkg.	Wt., Lbs. per 100	Price per 100
42101	2	3	150	110	\$19.00
42102	3	4	150	150	25.50
42103	3	6-A. T. & T. Std.	100	210	30.75

UNIVERSAL GUY CLAMPS

Galvanized Malleable Iron

Trade No.	No. of Bolts	Size Inches	Std. Pkg.	Wt., Lbs. per 100	Price per 100
052382	2	....	200	100	24.00
052381	3	....	150	160	35.00

STANDARD WIRE ROPE CLIPS

Trade No.	Size, Strand Inches	Wt., Lbs. per 100	Price per 100	Trade No.	Size, Strand Inches	Wt., Lbs. per 100	Price per 100
052396	1/4	16	\$4.75	052399	1/2	46	\$10.00
052397	5/16	17	5.00	42115	3/8	70	13.75
052398	3/8	27	6.75	....	....	....	....

CROSBY WIRE ROPE CLIPS

Trade No.	Size, Strand Inches	Wt., Lbs. per 100	Price per 100	Trade No.	Size, Strand Inches	Wt., Lbs. per 100	Price per 100
052457	1/4	16	35.00	052460	1/2	46	45.00
052458	5/16	17	35.00	42116	3/8	70	55.00
052459	3/8	27	40.00	....	....	....	....

CABLE SUSPENSION CLAMPS

Trade No.	No. of Bolts	Size Inches	Wt., Lbs. per 100	Price per 100
42104	1	2 1/2 x 2 1/2	90	\$14.25

UNIVERSAL MESSENGER HANGERS

		No. 1		
052389	2	1/2 x 2	300	53.00
		No. 2		
052390	2	3/8 x 1 3/4	240	47.00

GUY HOOKS

Trade No.	Size Inches	Wt., Lbs. per 100	Price per 100
42106	1 1/2 x 3/8 x 4	75	12.50
42107	1 3/4 x 3/8 x 4	90	14.00
42109	1 1/2 x 3/8 x 6	90	14.00

POLE SHIMS

Trade No.	Size Inches	Wt., Lbs. per 100	Price per 100
42111	1 x 3/8 x 8	45	\$4.25
42112	1 1/4 x 3/8 x 8	60	5.40

WIRE ROPE THIMBLES

Trade No.	Size Inches	Wt., Lbs. per 100	Price per 100	Trade No.	Size Inches	Wt., Lbs. per 100	Price per 100
052504	1/4	6	\$7.00	052507	1/2	18	\$11.00
052505	5/16	8	8.00	42113	5/8	36	13.00
052506	3/8	10	9.00	42117	3/4	55	15.00
42114	7/8	15	10.00	....	....	....	....

POLE PROTECTION STRIPS

Trade No.	Size	Wt., Lbs. per 100	Price per 100
08017	2 in. x 4 feet x No. 14 gauge	90	\$13.00

STRAIN PLATES

Trade No.	Size	Wt., Lbs. per 100	Price per 100
08015	4 in. x 8 in. x No. 24 gauge	90	11.00

BUTT GUARDS

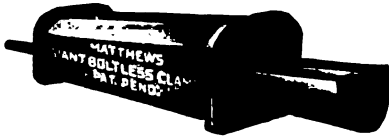
Trade No.	Size Inches	Wt., Lbs. per 100	Price per 100
052508	3/8 x 15 x 18	1335	\$215.00
42118	3/8 x 18 x 22	2100	296.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

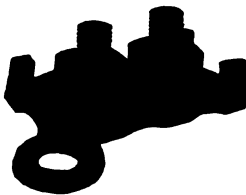
MATTHEWS' CLAMPS



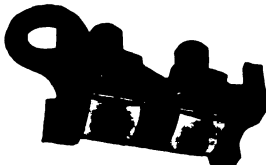
Baby Boltless Guy Clamp



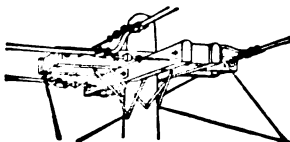
Giant Boltless Guy Clamp



Two-bolt Guy Clamp



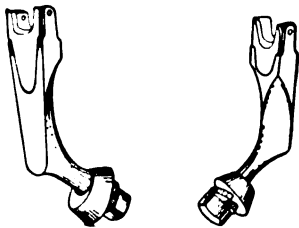
Two-bolt Guy Clamp



Cable Clamp in Use



Cable Clamp



Sleet Cutters

MATTHEWS' BOLTLESS GUY CLAMPS

Matthews' Boltless Guy Clamps are extremely simple in their construction. Only tool needed is a hammer.

The Baby clamp is designed for use on $\frac{1}{4}$ -inch and $\frac{5}{16}$ -inch guy strand. Holding power up to 5000 pounds.

The Giant clamp is designed for use on $\frac{5}{16}$ -inch and $\frac{3}{8}$ -inch guy strand. Holding power up to 8000 pounds.

Trade No.	Style	Ship. Wt., per 100	—LIST PRICE, EACH—		
			Less than 500	500-999	Over 999
058148	Baby	50	\$0.20	\$0.20	\$0.16
058149	Giant	130	.30	.28	.26

MATTHEWS' TWO-BOLT GUY CLAMPS

Made in one size only. Prevent the possibility of scarring or nicking the cable by driving the clamp with a hammer as it is pulled into position with a chain lever and the feet on one of the clamping plates prevent guys from jumping out. Will fit all sizes of guy strand up to $\frac{1}{2}$ -inch. Will hold 16000 pounds.

Trade No.	Description	List Price, Each	
		Less than 1000	Over 999
058162	Two-bolt guy clamp.....	\$0.44	\$0.40
058163	Chain lever	3.00	....

Shipping weight of clamps, per 100, 200 pounds.

MATTHEWS' CABLE CLAMPS

For Use on Power Cable only

These clamps are designed to relieve the strain from power cable ranging in size from 000 up to 2000000 C. M. at corners and dead ends, and to do away with the great expense of splices at these places and the cost of making up into strain insulators, etc. Guaranteed to effect a saving of at least \$5.00 per corner turn in cables of 500000 C. M. or larger. Not for telephone cables.

Trade No.	Finish	—LIST PRICE, EACH—		
		Less than 25	25 to 49	50 and Over
047982	Painted black	\$2.20	\$2.10	\$2.00
27124	Galvanized*	2.40	2.30	2.20

Packed in boxes of 12 and 25 each.

Shipping weight, 425 pounds per 100.

*An additional charge for galvanizing will be necessary until spelter gets back to normal. When the price of spelter is 10 cents, add 3 cents; $12\frac{1}{2}$ cents, add $4\frac{1}{2}$ cents; 15 cents, add 6 cents; $17\frac{1}{2}$ cents, add $7\frac{1}{2}$ cents; 20 cents, add 9 cents; $22\frac{1}{2}$ cents, add $10\frac{1}{2}$ cents; 25 cents, add 12 cents, etc., to regular prices to get prevailing prices.

MATTHEWS' O-K SLEET CUTTERS

Trade No.	Mfrs. No.	For Wheel Size, In.	Wt., Lbs. Packed	List Price Each
27120	1	5 or 6	$1\frac{3}{4}$	\$1.30
27121	2	4	$1\frac{1}{2}$	1.10

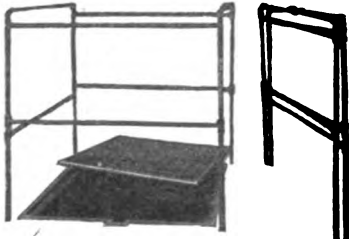
Brass Lugs

27122	To fit either size	$\frac{1}{4}$.40
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When ordering sleet cutters give make of harp and size of wheel with which they are to be used.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

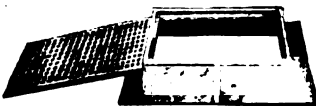
MANHOLE SUPPLIES



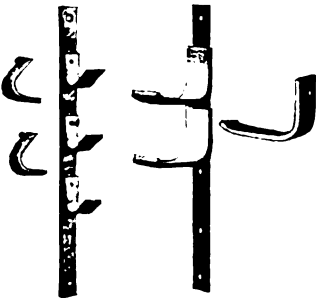
Manhole Guard



Round Frame and Cover

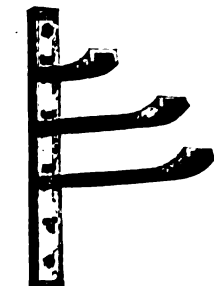


Square Frame and Cover

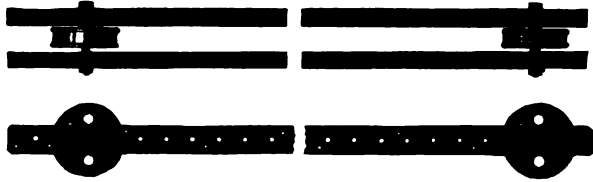


No. 1 Rack

No. 2 Rack



No. 3 Rack



Manhole Skids and Sheaves

MANHOLE SKIDS AND SHEAVES

Manhole skids and sheaves for leading the pulling line from the mouth of the duct to the capstan.

The skids have pin holes every four inches from top to bottom so that the sheaves can be placed to desired height to correspond to height of duct and top of manhole. Made in a very substantial manner, suitable for pulling in the heaviest cables.

Standard length, 9 feet. Other lengths made to order, as desired.

Trade No.	Description	Price
055901	Skids and sheaves, per set, 9-foot skids	\$60.00
055902	Additional length of skids, per foot....	3.00

MANHOLE GUARDS

Made of 3/4-inch pipe, easily folded up and made portable, but when set and locked is rigid. The union in front top rail opens and the two arms swing out.

Trade No.	Shipping Wt., Lbs.	Price per Guard
055903	43	\$25.00

MANHOLE FRAMES AND COVERS

Round Cover

Trade No.	Diameter of Opening Inches	Height above Flange Inches	Projection of Flange Inches	Diameter of Flange Inches	Approximate Weight Pounds	Price
15693	22 1/2	8	5	35	350	.....

Square Cover

Trade No.	Size of Opening Inches	Height above Flange Inches	Projection of Flange Inches	Width over Flange Inches	Approximate Weight Pounds	Price
15694	23 1/2 x 21 1/2	8	5	36 x 34	450	.....
15695	32 x 28	8	3	40 x 38	700	.....

MANHOLE CABLE RESTS

Nos. 1 and 2 illustrate the standard keyhole, manhole strips and hooks. No. 1 is for single hook for one cable. No. 2 is for double hook for two or more cables.

No. 3 is steel channel rack and hook, holes in rack 2 1/2 inches apart for supporting hooks. This arrangement makes a very compact rack. Cable can be laid close together and hooks need to be elevated but 5/8 inch to remove from rack. Racks are made with from 4 to 24 holes. Hooks are made in 4, 7 and 10-inch lengths.

Cable Racks, Galvanized

Trade No.	No. of Holes	Price Each	Trade No.	No. of Holes	Price Each
15696	2	\$0.26	091499	8	\$0.52
15697	6	.34	091500	10	.90

Cable Rack Hooks, Galvanized

Trade No.	Description	Price Each
15698	For No. 1 Rack.....	\$0.18
15699	For No. 2 Rack.....	.32
15700	For No. 3 Rack, length 4 inches.....	.12
15701	For No. 3 Rack, length 7 inches.....	.15
15702	For No. 3 Rack, length 10 inches.....	.18

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HEMINGRAY GLASS INSULATORS



No. 19



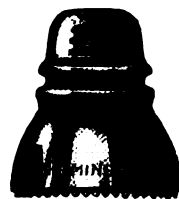
No. 20



No. 21



No. 22



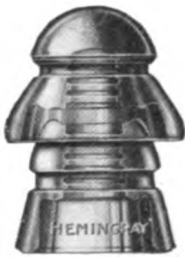
No. 40

No. 19 DEEP GROOVE, DOUBLE PETTICOAT

Line Voltage, 5000

Trade No.	DIMENS. Height	OVER ALL, Diam.	INCHES Groove	Std. Pkg.	Wt., Lbs. per 1000	Price per 1000
036465	37 ⁶ / ₈	31 ¹ / ₄	1 ¹ / ₂	200	1350	\$50.00

Also made in blue, amber and crystal colors.



No. 50

No. 20 STREET RAILWAY, OR EXTRA DEEP GROOVE, DOUBLE PETTICOAT

Line Voltage, 5000

036466	4	3 $\frac{1}{4}$	3 $\frac{1}{4}$	200	1375	50.00
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No. 21 WESTERN UNION, DOUBLE PETTICOAT

036462	4 $\frac{3}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{8}$	200	1550	52.00
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No. 22 WESTERN UNION, DOUBLE PETTICOAT TEAT

036461	4 $\frac{1}{4}$	3 $\frac{1}{2}$	1 $\frac{1}{4}$	200	1520	52.00
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No. 51

No. 40 DOUBLE PETTICOAT

Line Voltage, 5000

83901	3 $\frac{15}{16}$	3 $\frac{9}{16}$	5 $\frac{1}{16}$	200	1550	54.00
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No. 50 TWO-PIECE TRANSPOSITION

036474	5	3 $\frac{1}{4}$	3 $\frac{3}{8}$ Top 3 $\frac{3}{8}$ Bot.	125	1950	100.00
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No. 51 PERFECT TRANSPOSITION (OLD No. 1)

036472	5 $\frac{1}{2}$	4 $\frac{1}{4}$	3 $\frac{3}{8}$ Top 1 $\frac{1}{2}$ Bot.	100	2500	100.00
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No. 52 TRANSPOSITION (OLD No. 2)

036473	4 $\frac{3}{4}$	3 $\frac{1}{4}$	3 $\frac{3}{8}$ Top 3 $\frac{3}{8}$ Bot.	125	2100	74.00
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No. 53 TRANSPOSITION (OLD No. 14)

83389	4 $\frac{1}{2}$	4	3 $\frac{3}{8}$ Top 5 $\frac{1}{8}$ Bot.	100	2250	80.00
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No. 53

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HEMINGRAY GLASS INSULATORS



No. 9



No. 10



No. 12



No. 13



No. 14

No. 9 PONY



No. 15

Trade No.	DIMENS. OVER ALL, INCHES Height	Diam.	Groove	Std. Pkg.	Wt., Lbs. per 1000	Price per 1000
036469	3 $\frac{3}{4}$	2 $\frac{1}{4}$	$\frac{3}{8}$	400	675	\$26.00

No. 10 EXCHANGE LINE

83877	3 $\frac{1}{4}$	2 $\frac{1}{2}$	$\frac{1}{8}$	350	720	30.00
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No. 12 DOUBLE GROOVE PONY



No. 16

036470	3 $\frac{5}{8}$	2 $\frac{3}{8}$	$\frac{3}{8}$ Top $\frac{1}{4}$ Bot.	400	750	26.00
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No. 13 NATIONAL PONY (OLD No. 4)

036468	3 $\frac{3}{4}$	2 $\frac{1}{2}$	$\frac{3}{8}$	300	825	28.00
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No. 14 DEEP GROOVE, DOUBLE PETTICOAT PONY

036467	3 $\frac{3}{8}$	2 $\frac{7}{8}$	$\frac{3}{8}$	300	865	34.00
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No. 17

No. 15 WESTERN UNION (OLD No. 5)

83878	4 $\frac{3}{8}$	2 $\frac{3}{4}$	$\frac{3}{8}$	200	1450	49.00
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No. 16 LONG DISTANCE

036471	4	2 $\frac{5}{8}$	$\frac{3}{8}$	300	1000	37.00
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No. 17 REGULAR (OLD No. 3)

036463	4	2 $\frac{3}{4}$	$\frac{5}{8}$	250	1120	38.00
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No. 18

No. 18 DEEP GROOVE

036464	4	2 $\frac{7}{8}$	$\frac{1}{2}$	250	1200	42.00
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HEMINGRAY GLASS INSULATORS



No. 54



Nos. 60 and 60A



No. 61



No. 62

No. 54 LARGE DOUBLE GROOVE



No. 63

Trade No.	DIMENS. OVER ALL INCHES			VOLTAGE TEST			Std. Wt., Lbs.		Price
	Height	Diam.	Groove	Dry	Wet	Line			
83890	4 1/4	2 7/8	3/8	200	1375	\$56.00

No. 60 CABLE

036459	5	3 1/4	1 1/2	54500	24000	6600	100	2300	70.00
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No. 60A CABLE

83903	5	3 1/4	2	54500	24000	6600	100	2300	70.00
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No. 61 CABLE (OLD No. 1)

83904	3 3/4	3 1/4	1	44200	21800	6600	200	1450	60.00
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No. 62 CABLE (OLD No. 2)

036458	4	3 3/8	1 1/4	56400	25100	6600	125	2100	70.00
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No. 64

No. 63 CABLE (OLD No. 3)

83905	5 7/8	4 1/4	2	60200	28300	7500	65	3600	110.00
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No. 64 COLUMBIA DOUBLE PETTICOAT

036460	5 1/4	4	1 1/4	62400	29500	6600	100	2800	100.00
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No. 70

No. 70 HIGH POTENTIAL TRIPLE PETTICOAT CABLE

83906	5	4 3/4	1 3/4	61900	37800	10000	65	3150	112.50
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HEMINGRAY GLASS INSULATORS



No. 71



No. 72



No. 73



No. 74



Nos. 75 and 76

No. 78 Insulator
with No. 77 Sleeve**No. 71 HIGH VOLTAGE (OLD No. 1)**

Trade No.	Dry	VOLTAGE TEST Wet	Line	Std. Pkg.	Wt., lbs. per 1000	Price per 1000
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036454 58400 31000 10000 100 2500 \$82.50

Dimensions, inches: Height, $3\frac{3}{4}$; diameter, $4\frac{3}{4}$; groove, $\frac{5}{8}$.

No. 72 HIGH VOLTAGE (OLD No. 4)

83917 64000 31400 10000 100 2700 82.50

Dimensions, inches: Height, 4; diameter, $4\frac{3}{4}$; top groove, 1 inch; side groove, $\frac{3}{4}$.

No. 73 PROVO TYPE (OLD No. 2)

036455 74400 43800 15000 60 3600 150.00

Dimensions, inches: Height, $4\frac{3}{4}$; diameter, $5\frac{1}{2}$; top groove, $\frac{3}{4}$; bottom groove, $\frac{1}{2}$.

No. 74 PROVO TYPE (OLD No. 1)

036453 93700 55200 19000 25 7000 225.00

Dimensions, inches: Height, 6; diameter, 7; top groove, $\frac{5}{8}$; center groove, $\frac{3}{8}$; bottom groove, $\frac{1}{2}$.

Made for standard 1-inch and special $1\frac{1}{8}$ -inch pins.

No. 75 (7-INCH) MUNCIE TYPE

036452 86200 50100 17000 30 6200 225.00

Dimensions, inches: Height, $4\frac{7}{8}$; diameter, 7; groove, $\frac{7}{8}$.

Made for standard 1-inch and special $1\frac{1}{8}$ -inch pins.

No. 76 (9-INCH) MUNCIE TYPE

83918 95000 80000 22000 16 11250 375.00

Dimensions, inches: Height, $5\frac{7}{8}$; diameter, 9; groove, $\frac{7}{8}$.

No. 77 (9-INCH) MUNCIE SLEEVE

83919 32 5400 262.50

Dimensions, inches: Height, 8; diameter, $5\frac{1}{4}$.

No. 78 (9-INCH) MUNCIE TYPE ASSEMBLED

83920 110000 95000 33000 8 18125 637.50

Dimensions, inches: Height, $13\frac{7}{8}$; diameter, 9; groove, $\frac{7}{8}$.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HEMINGRAY GLASS INSULATORS



No. 100



No. 101

No. 100 INSULATING OR BREAK KNOBS (OLD No. 1)

Trade No.	DIMENS. OVER ALL, INCHES Height Diam. Groove Hole	Std. Pkg.	Wt., Lbs. per 1000	Price per 1000
036432	1½ 1½ ¾ ¾	500	200	\$21.00

No. 101 INSULATING OR BREAK KNOBS (OLD No. 1½)

036435	1⅞ 1½ ¾ ¾	500	230	24.00
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No. 102



No. 103

No. 102 INSULATING OR BREAK KNOBS (OLD No. 2)

036434	1¾ 2 ¾ ¾	500	440	25.00
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No. 103 INSULATING OR BREAK KNOBS (OLD No. 3)

036433	2 2 ⅝ ¾	500	460	25.00
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No. 107 INSULATING OR BREAK KNOBS (OLD No. 7)

036436	1⅞ 2 ¾ ¾	500	460	25.00
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No. 107



No. 108

No. 108 INSULATING OR BREAK KNOBS
(OLD No. 8)

036438	3¾ 2¾ 1 ⅝	200	1500	95.00
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No. 95 MINE INSULATORS (OLD No. 1)

036437	3½ 2⅞ ⅝	Std. Scr.	200	1475	80.00
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No. 95

No. 90 SPAN WIRE INSULATORS (OLD No. 10)

036439	2¾ 2¼ ¾	500	700	90.00
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No. 91 SPAN WIRE INSULATORS (OLD No. 15)

036440	3⅞ 2¾ ½	250	1260	140.00
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FLOOR INSULATORS

Trade No.	Mfrs. No.	Length Inches	Bore Inches	Style	Price per 1000
036441	120	2½	¾	Screw	\$78.00
036442	121	3	½	Screw	83.50
036443	122	3	1	Screw	83.50
036444	123	3	1¼	Screw	100.00
036445	124	3½	¾	Plain	94.50
067161	125	3½	1	Screw	94.50
036446	126	4	¾	Screw	117.00
036447	127	4	1	Screw	117.00
036448	128	4½	1	Screw	122.00
036449	129	5	1	Screw	140.00
036450	130	6	1	Screw	161.00
036451	131	6	1¼	Screw	172.00
83866	132	6	1	Split plain	228.00

The 6-inch split insulators are in two pieces, tongued and grooved, and fit together closely.



No. 90



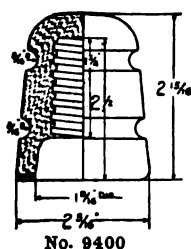
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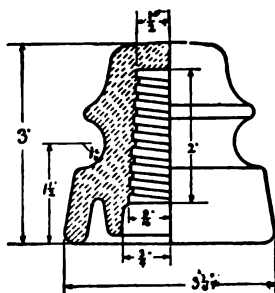
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

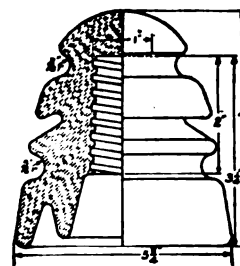
O-B HI-TENSION PORCELAIN INSULATORS



No. 9400



No. 10387



No. 10747

No. 9400

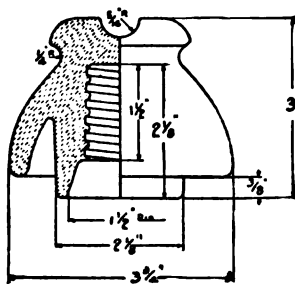
Trade No.	Working Voltage	Leakage Surface	SIZE, INCHES		Diam. of Insulator	Ht. of Insulator	DIAM., IN.		Size Pin Hole	APPROX. WT., LBS.		Approx. No. in Barrel	Price per 1000
			Arcing Distance	Side Groove			Top Groove	Side Groove		Net	Pkd.		
052983	3/8	2 5/8	2 5/8	3/8	1	56	61	550	\$52.80

No. 10387

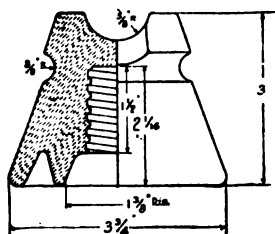
34751	4000	3 1/2	3/4	3 1/4	3	3/4	1	90	96	330	93.50
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No. 10747, TRANSPOSITION

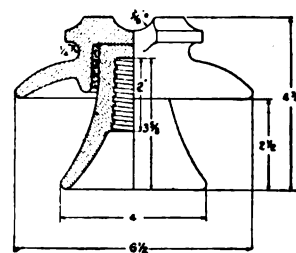
34752	3 3/4	4	3/8	1	155	175	180	220.00
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No. 9403



No. 9404



No. 9408

No. 9403

NO. 9403											
Trade No.	Working Voltage	SIZE, INCHES				DIAM., IN.	Size Pin Hole	APPROX. WT., LBS.		Approx. No. in Barrel	Price per 1000
		Leakage Surface	Arcing Distance	Diam. of Insulator	Ht. of Insulator			PER 100	Net Pkd.		
052986	6600	5 1/4	1 1/4	3 3/4	3	5/8	1/2	1	118 137	230	\$121.00

No. 9404

34753	6600	5	1 1/4	3 3/4	3	1 1/4	3/4	1	114	124	230	121.00
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No. 9408

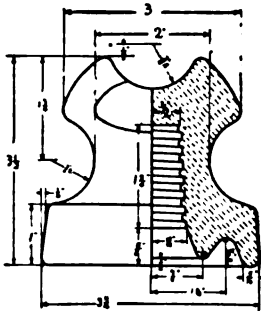
Trade No.	Working Voltage	Test Voltage	SIZE, INCHES		Diam. of Insulator	Ht. of Insulator	DIAM., IN.		Size Pin Hole	APPROX. WT., LBS.		Approx. No. in Crate	Price per 100
			Leakage Surface	Arcing Distance			Top Groove	Side Groove		Net	Pkd.		
34782	17000	70000	10	3 1/4	6 1/2	4 3/4	1 1/4	1/2	1	360	445	80	\$49.50

Use a 1-inch pin with length above cross-arm not less than 4 3/4 inches.

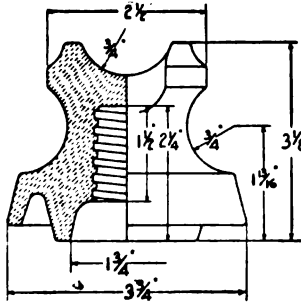
The actual working voltage desired should be specified on all orders or inquiries.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

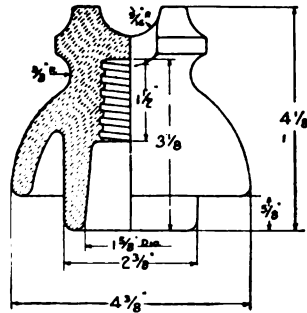
O-B HI-TENSION PORCELAIN INSULATORS



No. 9953



No. 10041



No. 9406

No. 9953

Trade No.	Working Voltage	Test Voltage	SIZE, INCHES				DIAM., IN.		Size Pin Hole Inches	APPROX. WT., LBS. PER 100 Pkd.		Approx. No. in Barrel	Price per 1000
			Leakage Surface	Arcing Distance	Diam. of Insulator	Ht. of Insulator	Top Groove	Side Groove					
34766	6600	3 3/4	1 1/4	3 1/8	3 1/2	1 1/2	1 1/2	1	147	160	200	\$176.00

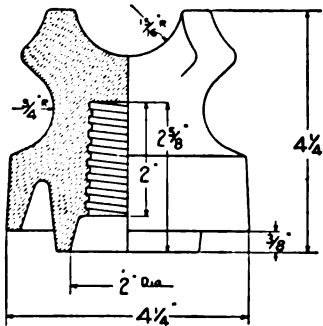
No. 10041

34767	6600	3 3/4	1 1/4	3 3/4	3 3/8	1 1/2	1 1/2	1	104	116	250	154.00
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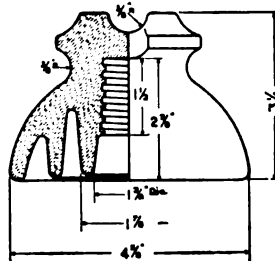
No. 9406

052987	11000	40000	7 1/2	1 1/2	4 3/8	4 1/8	1 1/8	3/4	1	167	208	135	220.00
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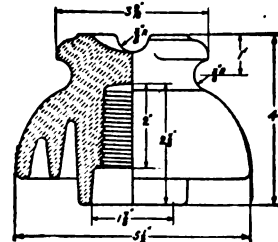
Use a 1-inch pin with length above cross-arm not less than 4 inches.



No. 9890



No. 10044



Nos. 12849 and 12850

No. 9890 FOR CABLE

Trade No.	Working *Voltage	Test Voltage	SIZE, INCHES				DIAM., IN.		Size Pin Hole	APPROX.		Price per 100	
			Leakage Surface	Arcing Distance	Diam of Insulator	Ht. of Insulator	Top Groove	Side Groove		WT., LBS. PER 100	Approx. No. in Barrel		
34768	11000	40000	4 3/4	1 1/2	4 1/4	4 1/4	1 7/8	1 1/2	1 3/8	260	310	100	\$28.00

Use a 1 3/8-inch pin with length above cross-arm not less than 4 inches.

No. 10044

34769	13000	50000	8	1 5/8	4 5/8	3 1/4	3/4	3/4	1	176	207	140	27.50
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Use a 1-inch pin with length above cross-arm not less than 4 inches.

No. 12849

34772	17000	60000	9 1/4	2 1/4	5 1/2	4	3/4	3/4	1	350	415	80	38.50
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No. 12850

34773	17000	60000	9 1/4	2 1/4	5 1/2	4	3/4	3/4	1 3/8	350	415	80	38.50
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No. 9939

34770	17000	60000	10	1 3/4	5 1/2	3 3/8	3/4	3/4	1	328	370	80	38.50
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No. 9937

34771	17000	60000	10	1 3/4	5 1/2	3 3/8	3/4	3/4	1 3/8	328	370	80	38.50
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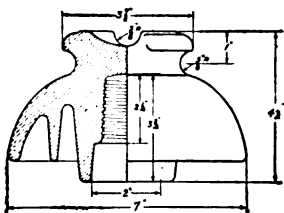
For Nos. 12849 and 12850 use a pin with length above cross-arm not less than 4 inches.

*Working voltage of Nos. 12849 and 12850 for railway service is 6600 volts.

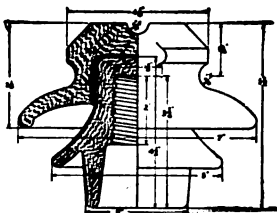
The actual working voltage desired should be specified on all orders or inquiries.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

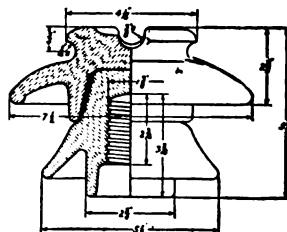
O-B HI-TENSION PORCELAIN INSULATORS



Nos. 12851 and 12852



No. 10637



No. 12546

No. 12851

Trade No.	Working Voltage	Test Voltage	Leakage Surface	SIZE, INCHES	ARCING DISTANCE	DIAM. OF INSULATOR	HT. OF INSULATOR	DIAM., IN. TOP GROOVE	DIAM., IN. SIDE GROOVE	Size Pin Hole Inches	APPROX. WT., LBS. PER 100 Net	APPROX. No. in Pkd.	Price per 100
34790	23000	69000	11 3/4	2 7/8	7	4 1/2	3/4	3/4	1	400	500	50	\$50.60

Use a pin with length above cross-arm not less than 6 inches.

No. 12852

34791	23000	60000	11 3/4	2 7/8	7	4 1/2	3/4	3/4	1 3/8	400	500	50	50.60
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Use a pin with length above cross-arm not less than 5 inches.

No. 10637

34792	25000	85000	11 1/2	3 3/8	7	5 1/2	5/8	3/4	1 3/8	500	630	35	60.50
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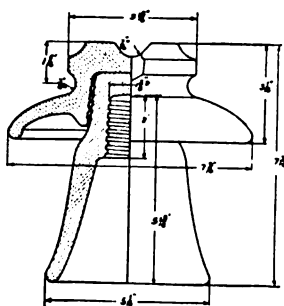
Use a 1 3/8-inch pin with length above cross-arm not less than 5 inches.

No. 12546

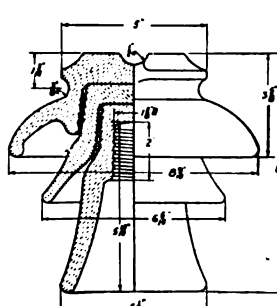
34787	27000	100000	11 7/8	4 3/8	7 1/2	5 1/4	3/4	5/8	1 3/8	620	855	48	71.50
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Use a 1 3/8-inch pin with length above cross-arm not less than 6 inches.

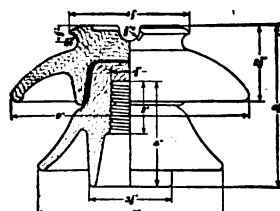
*Working voltage of Nos. 12851 and 12852 for railway service is 11000 volts.



No. 12547



No. 12548



No. 11622

No. 12547

Trade No.	Working Voltage	Test Voltage	Leakage Surface	SIZE, INCHES	ARCING DISTANCE	DIAM. OF INSULATOR	HT. OF INSULATOR	DIAM., IN. TOP GROOVE	DIAM., IN. SIDE GROOVE	Size Pin Hole Inches	APPROX. WT., LBS. PER 100 Net	APPROX. No. in Pkd.	Price per 100
34788	27000	100000	15 1/2	5 1/4	7 9/16	7 7/8	7/8	3/4	1 3/8	625	834	48	\$66.00

Use a 1 3/8-inch pin with length above cross-arm not less than 7 1/4 inches.

No. 12548

34789	35000	120000	20 3/4	4 1/2	8 9/16	8 1/4	1	3/4	1 3/8	995	1465	27	99.00
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Use a 1 3/8-inch pin with length above cross-arm not less than 7 1/4 inches.

No. 11622

34793	35000	125000	17	5 3/4	9	6 1/8	3/4	5/8	1 3/8	885	1300	27	99.00
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Use a 1 3/8-inch pin with length above cross-arm not less than 6 inches.

The actual working voltage desired should be specified on all orders or inquiries.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

"WHITE" STRAIN INSULATORS**No. 506****No. 504****No. 502****No. 500**

Because of the protected end coverings and the fact that the wires pass through, instead of around, this insulator, it is a proven impossibility for the ends of the span or guy wires to come in contact with each other, thus positively eliminating the chance of leakage of current.

The Improved Porcelain Strain Insulator is not subject to expansion or contraction in extreme climatic changes, as is the case with other strain insulators, in which the metal expands in greater proportion than the insulation, causing the insulation to crack and in time rendering the insulator useless.

No. 506

No. 506 is a span or guy wire insulator.

Trade No.	Dimensions Inches	Weight Ounces	Hole Inches	No. in Barrel	Price per 100
076121	3 $\frac{3}{8}$ x5 $\frac{1}{2}$	44	3 $\frac{3}{4}$	125	\$30.00

Test voltage, 21000; line voltage, 8000; tensile strength, 20000.

No. 504

No. 504 is the regular street railway span wire insulator. The size has been adopted as standard by a large number of companies.

076120	2 $\frac{7}{8}$ x3 $\frac{1}{2}$	22	1 $\frac{1}{2}$	250	15.00
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Test voltage, 24000; line voltage, 7000; tensile strength, 15000.

No. 502

This size is also in general use on street railway span wire construction, and while not quite as heavy as the No. 504 it will do the work satisfactorily.

076119	2 $\frac{3}{8}$ x3	14	3 $\frac{3}{8}$	350	12.00
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Test voltage, 20000; line voltage, 5000; tensile strength, 12000.

No. 500

This is the smallest size Improved Porcelain Strain Insulator made. The use of it will solve the problem of dead-ending telephone wires at low cost.

076118	1 $\frac{1}{2}$ x2 $\frac{1}{4}$	4	5 $\frac{1}{8}$	1000	6.00
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No. 508

No. 508 is a pole band insulator.

26292	3 $\frac{1}{4}$ x4 $\frac{1}{2}$	26	1 $\frac{1}{2}$	150	20.00
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Test voltage, 24000; line voltage, 8000; tensile strength, 15000.

No. 606

No. 606 is a heavy guy wire insulator.

26293	3 $\frac{1}{4}$ x5	48	7 $\frac{1}{8}$	100	33.00
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No. 604

No. 604 is a span or guy wire insulator.

26294	2 $\frac{3}{4}$ x3 $\frac{3}{8}$	24	1 $\frac{1}{2}$	225	18.00
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No. 602

No. 602 is a span or guy wire insulator.

26295	2 $\frac{1}{2}$ x2 $\frac{7}{8}$	16	3 $\frac{3}{8}$	325	13.50
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No. 601

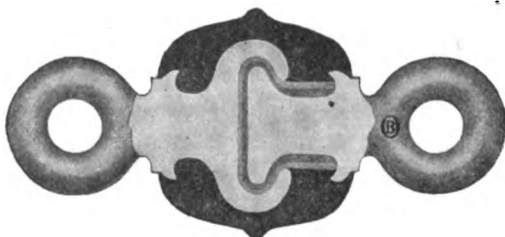
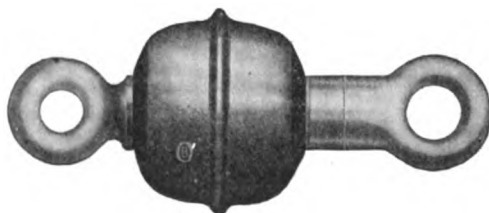
No. 601 is a telephone wire insulator.

26296	1 $\frac{3}{4}$ x2 $\frac{1}{4}$	7	5 $\frac{1}{8}$	600	8.00
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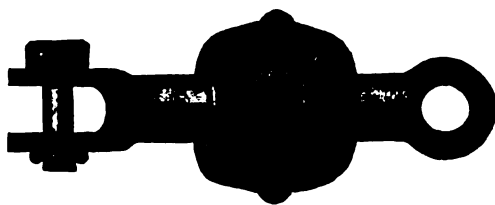
**No. 508****No. 604****No. 602****No. 601**

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

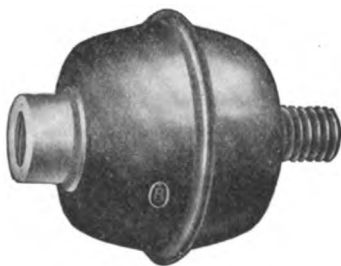
STRAIN INSULATORS

Nos. 11526 and 11527
Sectional View

No. 11649



No. 11698



No. 11701



Globe Strain Insulator

O-B COMPOSITION STRAIN
INSULATORS

750 Volts, Sherardized

The various forms of O-B Composition Strain Insulators all have the same interior construction.

A sherardized malleable iron cup casting is compressed over the head of a second malleable iron casting.

Heavy sheet mica forms an effective insulation between these two castings. All strain is borne by the castings and intervening mica, Dirigo composition simply acting as a weatherproof covering.

The composition is securely locked on by recessed flanges shown in sectional view.

Size of Insulator Inches	Mechanical Routine Test, Lbs.	Average Ultimate Mechanical Strength, Lbs.	Routine Electrical Test, Volts	Average Ultimate Electrical Strength, Volts
2 1/4	3500	7000	7000	14000
2 3/4	4000	9000	7000	14000

Trade No.	Mfrs. No.	Diam. Inches	Description	Legth. Cen. to Cen. of Eyes or Clevis Bolt Inches	Price per 100
108728	11526	2 1/4	1/2-in. eyes*...	3 3/8	\$46.20
108729	11527	2 3/4	1/2-in. eyes*...	4 1/8	63.80
108730	11649	2 3/4	1/2 and 3/4-in. eyes*	5 1/4	79.20
108731	11647	2 1/4	1/2-in. eye and clevis*	4 3/4	61.60
108732	11648	2 3/4	1/2-in. eye and clevis	5 1/8	83.60

Opening in clevis is 3/4 inch. Clevis bolt is 1/2x1 1/8 inches in No. 11647 and 1/2x1 1/8 inches in No. 11648.

108733	11699	2 3/4	1/2-in. eyes....	5 3/4	99.00
108734	11698	2 3/4	1/2-in. eye and clevis	6 3/8	110.00

Opening in clevis is 3/4 inch. Clevis bolt is 1/2x1 1/8 inches in No. 11698.

108735	11701	2 3/4	1/2-in. tapped end and 3/8-in. stud.		88.00
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Length over all, 2 5/8 inches.

108736	11703	2 3/4	1/2-in. tapped end and clevis....		110.00
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Opening in clevis is 3/4 inch; clevis bolt is 1/2x1 1/8 inches. Length, face of tapped end to center of clevis bolt is 5 1/8 inches.

108737	11697	2 3/4	1/2-in. tapped end and 1/2-in. eye*		72.60
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108738	11702	2 3/4	1/2-in. tapped end and 3/4-in. eye... ..		99.00
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No. 11697, length, face of tap end to center of eye is 4 inches; No. 11702, 4 1/2 inches.

108739	11700	2 3/4	Two clevises		114.40
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Openings in clevises are 3/4 inch; clevis bolts are 1/2x1 1/8 inches. Length, center to center of clevis bolts is 7 inches.

GLOBE STRAIN INSULATORS

Trade No.	Mfrs. No.	Finish	Diam. Inches	Price per 100
064510	4700	Japanned	2	\$50.00
064514	4704	Japanned	2 1/2	60.00

*Eye will take a 1/2-inch bolt.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TROLLEY SUSPENSION MATERIAL

TYPE A SINGLE AND DOUBLE CURVE PULL-OVERS



Single Curve Pull-over

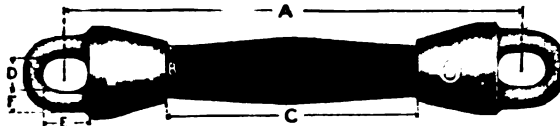
Double Curve Pull-over

Malleable iron yoke casting is strong I section. Ample insulation is furnished by O-B 2¼-inch composition strain insulator, No. 11526, attached to yoke by ¾-inch clevis bolt and a ½x¾-inch cotter pin. Opening in clevis is ½ inch and will take any O-B standard composition or 1 and 1¼-inch wood strain insulators. Horizontal distance between center of stud and center of clevis bolt is 5½ inches. Single curve pull-over has oblong eye 7½x7½ inch to which two guy wires may be attached if desired. Cap nut is provided with lugs, one of which should be bent down to engage yoke casting after ear or clamp has been tightened and thus prevent stud from unscrewing.

Form 1, Sherardized				
Trade No.	Mfrs. No.	Description	Size of Stud Inches	Price per 100
108751	11834	Single curve	5/8x2 1/4	\$83.60
108752	11835	Single curve	3/4x2 3/8	88.00
108753	11836	Double curve	5/8x2 1/4	149.60
108754	11837	Double curve	3/4x2 5/8	154.00

WOOD STRAIN INSULATORS

750 to 3300 Volts

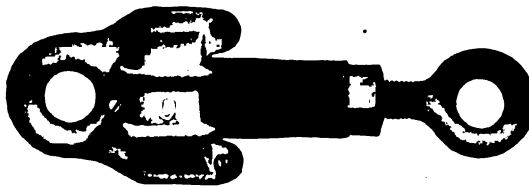


Trade No.	Mfrs. No.	Volts	DIMENSIONS, INCHES						Price per 100
			A	B	C	D	E	F	
108755	8574	750	9	1	5	1 1/8	1 5/8	7 1/8	\$33.00
108756	8628	750	9 3/4	1 1/4	5	1 1/8	1	7 1/8	39.60
108757	10384	750	10 7/8	1 1/2	5	1 3/8	1 7/8	11 1/8	77.00
108758	10860	750	11 1/4	1 3/4	5	1 3/8	1 7/8	11 1/8	132.00
108759	8622	1500	16	1	12	1 1/8	1 5/8	7 1/8	44.00
108760	0237	1500	16 5/8	1 1/4	12	1 1/8	1	7 1/8	57.20
108761	10301	3300	28 1/2	1 1/4	24	1 1/8	1	7 1/8	88.00

Insulators with eyes at right angles furnished to order.

BROOKLYN STRAIN INSULATORS

750 Volts, Sherardized



Single Strain Insulator

Eyebolts are drop-forged and take-up in single insulator is 3 inches; in double, 6 inches.

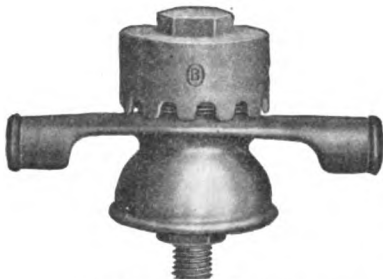
Holes in 5/8-inch eyebolts are 3/4 inch in diameter; in 3/4-inch eyebolts, 1 inch. Eye in cap of single Brooklyn is 5/8 inch in diameter.

Trade No.	Mfrs. No.	Description	Size of Bolt Inches	Price per 100	Trade No.	Mfrs. No.	Description	Size of Bolt Inches	Price per 100
108762	9995	Single	5/8	\$121.20	108764	2539	Double	5/8	\$275.00
108763	9996	Single	3/4	176.00	108765	2541	Double	3/4	407.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TROLLEY SUSPENSION MATERIAL

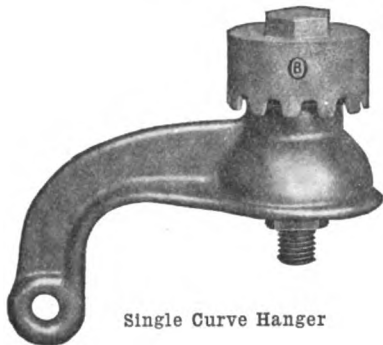
TYPE D TROLLEY WIRE HANGERS—750 VOLTS



Straight Line Hanger



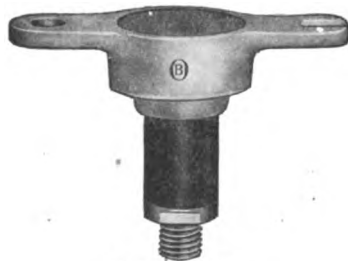
Double Curve Hanger



Single Curve Hanger



Bridge Hanger



Barn Hanger



Hanger Wrench

Patented

Straight Line—Form 1

Threaded portion of body is $2\frac{1}{8}$ inches in diameter. Bottom of skirt is $2\frac{3}{8}$ inches in diameter. "D" bolt is used.

Trade No.	Mfrs. No.	Finish	Size of Stud, in.	Price per 100
36511	2022	Mall. iron, sherardized	$\frac{5}{8}$	\$73.95
36512	6460	Mall. iron, sherardized	$\frac{3}{4}$	76.25

Single Curve

Ample clearance for all standard trolley wheels and harps is provided, the distance from center of threaded stud to inner edge of arm being $3\frac{5}{8}$ inches. Hole for span wire is $\frac{1}{2}$ inch in diameter.

36513	2045	Mall. iron, sherardized	$\frac{5}{8}$	78.55
36514	6496	Mall. iron, sherardized	$\frac{3}{4}$	80.85

Double Curve

Ample clearance for all standard trolley wheels and harps is provided, the distance across inside of yoke being $7\frac{1}{4}$ inches. Holes for span wire are $\frac{1}{2}$ inch in diameter.

36515	2048	Mall. iron, sherardized	$\frac{5}{8}$	92.40
36516	6499	Mall. iron, sherardized	$\frac{3}{4}$	108.60

Bridge

Height from top of hanger to top of threads on insulated bolt is $3\frac{3}{8}$ inches and diameter of skirt at bottom is $2\frac{3}{8}$ inches. Takes $\frac{1}{2}$ -inch lag screws spaced $3\frac{3}{4}$ inches between centers.

36517	2037	Mall. iron, sherardized	$\frac{5}{8}$	70.40
36518	6466	Mall. iron, sherardized	$\frac{3}{4}$	72.60

Barn

Height from top of hanger to top of threads on insulated bolt is 3 inches. Takes $\frac{1}{2}$ -inch lag screws spaced 4 inches between centers.

36519	6480	Mall. iron, sherardized	$\frac{5}{8}$	46.20
36520	6481	Mall. iron, sherardized	$\frac{3}{4}$	48.40

Above hangers include Type D bolts.

TYPE D INSULATED BOLTS—750 VOLTS

Used interchangeably with various forms of Type D hangers. Lower portion has two broad flat surfaces for application of wrench.

36521	2018	Sherardized.....	$\frac{5}{8}$	30.80
36522	6457	Sherardized.....	$\frac{3}{4}$	33.00

TYPES D AND M HANGER WRENCHES

Fits interchangeably insulated bolts and hanger caps on Types D and M hangers. One wrench is furnished free with each order for Types D or M hangers.

36523	2020	Sherardized.....	..	33.00
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

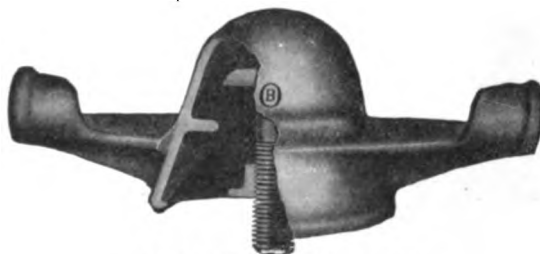
TROLLEY SUSPENSION MATERIAL



Type R Straight Line Hanger



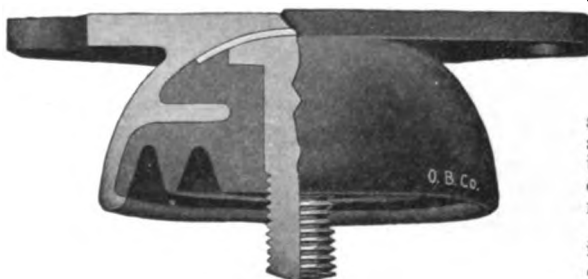
Type N Straight Line Hanger



Type L Straight Line Hanger



Type N Barn or Mine Hanger



Type H Mine Hanger, Form 1

TYPE R STRAIGHT LINE HANGERS, 750 VOLTS

The sherardized stud is molded into Dirigo insulation and head of stud is effectively insulated from the shell by a disk of built-up mica. Insulation is formed into a triple petticoat, providing long leakage path.

Diameter of shell at lower edge of skirt, $3\frac{1}{2}$ inches. $\frac{5}{8}$ -inch stud.

Trade No.	Mfrs. No.	Description	Price per 100
108918	11593	Mall. iron, sherard.	\$52.80

TYPE N STRAIGHT LINE HANGERS, 750 VOLTS

Span wire is carried below arms. Dirigo insulation is used and shell completely encloses it, giving protection from blows from trolley. The forged stud is sherardized and is molded directly into insulation, being provided with a flanged head which, together with ribs inside shell, firmly anchors parts of hanger together. Lower end of stud is fitted with a washer which forms a broad bearing surface for boss of trolley ear or clamp and serves to re-enforce the insulation.

Shell is $3\frac{1}{8}$ inches in diameter at lower edge of metal skirt.

Trade No.	Mfrs. Stud No.	Inches	Description	Price per 100
108919	3144	$\frac{5}{8}$	Mall. iron, sherard.	\$59.40
108920	6554	$\frac{3}{4}$	Mall. iron, sherard.	61.60

TYPE L STRAIGHT LINE HANGERS, 750 VOLTS

Extra heavy form of round top hanger, intended for the most severe service conditions. Body and arms are heavier than those of the Type F hanger.

Diameter of skirt at lower edge is $3\frac{1}{2}$ inches.

108921	5491	$\frac{5}{8}$	Mall. iron, sherard.	88.00
108922	5493	$\frac{3}{4}$	Mall. iron, sherard.	90.20

TYPE N BARN OR MINE HANGERS, 750 VOLTS

Diameter of skirt at bottom is $3\frac{1}{8}$ inches. Takes lag screws $\frac{1}{2}$ inch in diameter; spacing of holes is $3\frac{3}{8}$ inches between centers.

108923	3994	$\frac{5}{8}$	Mall. iron, sherard.	59.40
108924	6557	$\frac{3}{4}$	Mall. iron, sherard.	61.60

TYPE H MINE HANGERS, 550 VOLTS**Form 1**

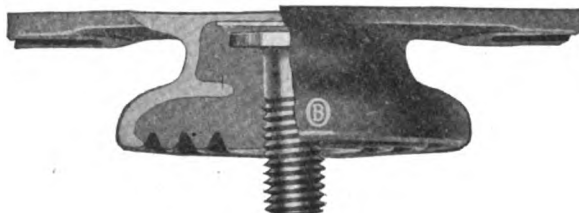
Double skirt prevents surface leakage and makes hanger particularly suitable for wet mines. Top of stud bolt is very effectively insulated from inside of hanger casting by a disk of built-up mica.

Height, $1\frac{5}{8}$ inches; diameter, $3\frac{5}{8}$ inches; minimum distance between centers of lag screws, 5 inches.

108925	9959	$\frac{5}{8}$	Mall. iron, sherard.	66.00
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TROLLEY SUSPENSION MATERIAL



Type H Mine Hanger



Standard Mine Hanger



Type B Mine Hanger

TYPE H MINE HANGERS

Form 3, 550 Volts

Used for insulating trolley wires in mines. Designed for attachment to roof timbers by means of two $\frac{1}{2}$ -inch lag screws. Head of bolt is effectively insulated from shell by a disc of built-up mica, while lower surface of insulation is molded into a triple petticoat which prevents surface leakage in wet mines.

Height, $1\frac{5}{8}$ inches; diameter, $3\frac{1}{2}$ inches; minimum distance between centers of lag screws, $4\frac{1}{2}$ inches; $\frac{5}{8}$ -inch stud.

Trade No.	Mfrs. No.	Description	Price per 100
108903	11553	Malleable iron, sherardized.	\$48.40

STANDARD MINE HANGERS, 550 VOLTS

Used for insulating trolley wire in mines and attached to roof timbers by means of $\frac{1}{2}$ -inch lag screws. Insulated portion can be renewed, if desired, without taking down hanger shell. Space between insulation and shell prevents deposit of conducting layer forming across bottom face of insulator to stud bolt.

Height, $2\frac{1}{2}$ inches; diameter, $3\frac{1}{4}$ inches; minimum distance between centers of lag screws, $4\frac{7}{8}$ inches; $\frac{5}{8}$ -inch stud.

108904	1080	Malleable iron, sherardized.	77.00
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TYPE B MINE HANGERS, 550 VOLTS

Used for insulating trolley wire in mines and attached directly to mine roof by expansion bolt or similar device. May be attached to mine roof by Type A, Form 2 expansion bolt.

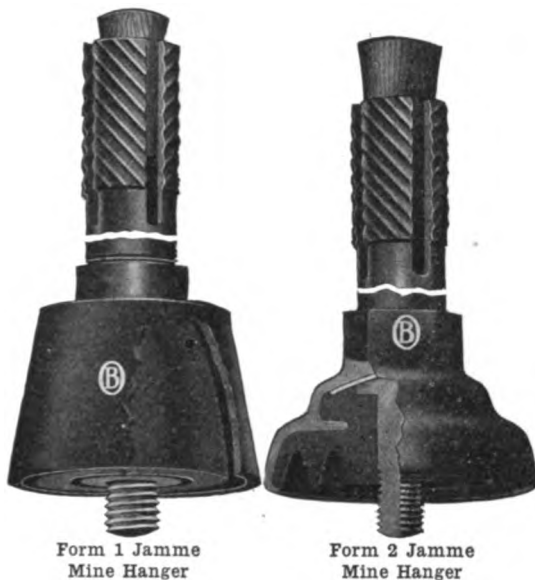
Height, 3 inches; diameter, 3 inches; hole in boss tapped for bolt, $\frac{5}{8}$ inch; $\frac{5}{8}$ -inch stud.

108905	5784	Malleable iron, sherardized.	61.60
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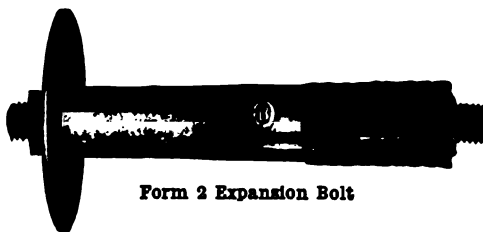
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TROLLEY SUSPENSION MATERIAL

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Form 1 Jamme
Mine HangerForm 2 Jamme
Mine Hanger

Form 1 Expansion Bolt



Form 2 Expansion Bolt



Form 3 Expansion Bolt

JAMME MINE HANGERS

Form 1, 550 Volts

Consists of a malleable iron body casting, into which is screwed a renewable Dirigo insulator. A space between insulation and interior wall of shell prevents deposit of conducting layer forming across bottom of insulator to stud. Provided with a slotted shell fitted with a wood plug for expanding upper end of shell as it is driven into position in a hole of proper size bored in mine roof.

Height, $2\frac{1}{4}$ inches; diameter, $3\frac{1}{4}$ inches; length of expansion shell from top of hanger boss, $5\frac{1}{2}$ inches; diameter of expansion shell, $1\frac{1}{4}$ inches; hanger tapped for $\frac{3}{4}$ -inch standard iron pipe; $\frac{5}{8}$ -inch stud.

Trade No.	Mfrs. No.	Description	Price per 100
108910	9230	Mall. iron, sherard.	\$99.00

Form 2, 550 Volts

Sherardized forged stud bolt and Dirigo insulation are molded directly into hanger casting and top of stud bolt is effectively insulated from hanger casting by a disc of built-up mica.

Height, $2\frac{1}{4}$ inches; diameter, $3\frac{5}{8}$ inches; length of expansion shell from top of hanger boss, $5\frac{1}{2}$ inches; diameter of expansion shell, $1\frac{1}{4}$ inches; hanger tapped for $\frac{3}{4}$ -inch standard iron pipe; $\frac{5}{8}$ -inch stud.

108911	9994	Mall. iron, sherard.	88.00
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Where it is desired to use a suspension longer than $5\frac{1}{2}$ inches, slotted pieces of pipe can be supplied to order, cut to any desired length in place of the expansion shell.

TYPE A EXPANSION BOLTS

Used for attaching mine hangers direct to mine roof. Consists of a malleable iron shell, $1\frac{1}{4}$ inches in diameter, fitted with an internal stud bolt and cone-shaped nut, which expands shell and draws hanger up tightly against roof.

Form 1 bolt is used with Type G hanger.

Form 2 bolt is fitted with a washer 3 inches in diameter, which gives a good bearing surface against the roof, and a hex is provided on stud so shell can be expanded before hanger is attached.

Form 3 bolt is used with the Universal and Type K hangers, and is furnished without a washer as flange on these hangers provides ample bearing surface against roof.

Form 1, Sherardized

Trade No.	Mfrs. No.	Length of Shell Inches	Diam. of Stud Inches	Price per 100
108912	5773	4	$\frac{5}{8}$	\$25.40
108913	5774	6	$\frac{5}{8}$	33.50

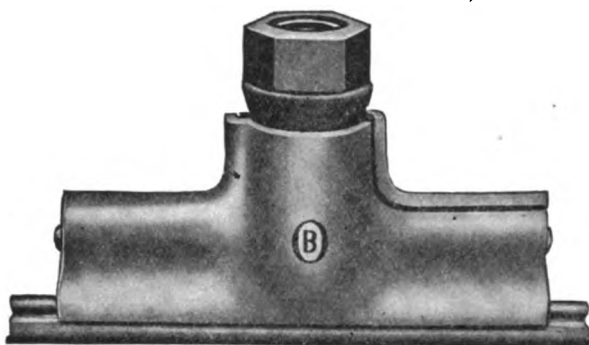
Form 2, Sherardized

108914	5775	4	$\frac{5}{8}$	34.65
108915	5776	6	$\frac{5}{8}$	38.10

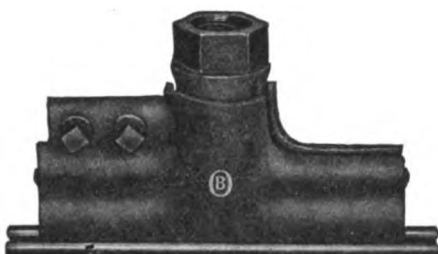
Form 3, Sherardized

108916	10072	4	$\frac{5}{8}$	23.10
108917	10073	6	$\frac{5}{8}$	27.75

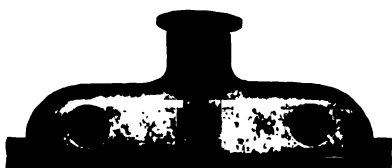
TROLLEY SUSPENSION MATERIAL



Type M-W Trolley Clamp



Type M-W Feeder Clamp



Forms 1 and 2 Detroit Trolley Clamp

TYPE M-W TROLLEY CLAMPS

Used for supporting trolley wires in both electric railway and mine construction. Consists of two interlocking jaws which are hinged on a steel pin which passes through lower end of stud bolt, securing the latter in place and preventing it from turning.

Provided with a special nut, cone-shaped on one end to correspond to a recess on top of clamp, and hexagonal on the other end so that the Type D wrench may be used on it.

Stud bolt in clamp has a left-hand thread, while thread on hexagonal end of nut is right-hand thus allowing clamp to be either loosened or tightened on wire by simply turning nut in proper direction.

It may be used with any hanger having a $\frac{5}{8}$ -inch stud. Height over all is $2\frac{3}{4}$ inches and length of jaws is $4\frac{1}{8}$ inches.

Bronze			
Trade No.	Mfrs. No.	For Size Wire, B. & S.	Price per 100
108888	10422	0 and 00 round	\$72.60
108889	10423	000 and 0000 round	74.80
108890	10424	0 to 0000 Fig. 8	74.80
108891	10425	00 to 0000 grooved	74.80
Malleable Iron, Sherardized			
108892	10426	0 to 0000 Fig. 8	39.60
108893	10427	00 to 0000 grooved	39.60

TYPE M-W FEEDER CLAMPS

Feeder lug will accommodate a 00 to 0000 B. & S. solid or stranded wire.

Bronze			
Trade No.	Mfrs. No.	For Size Wire, B. & S.	Price per 100
108894	10428	0 and 00 round	\$88.00
108895	10429	000 and 0000 round	92.40
108896	10430	0 to 0000 Fig. 8	92.40
108897	10431	00 to 0000 grooved	92.40

DETROIT TROLLEY CLAMPS

The designs are heavy throughout and distribution of metal is such as to provide great holding power, together with ample clearance for trolley wheels. For $\frac{5}{8}$ -inch stud bolt.

Form 1, Bronze

Trade No.	Mfrs. No.	For Size Wire, B. & S.	DIMENSIONS INCHES		Price per 100
			Length	Height	
108898	8912	0 round	4	$1\frac{7}{8}$	\$44.00
108899	8913	00 round	4	$1\frac{7}{8}$	44.00

Form 1, Malleable Iron, Sherardized

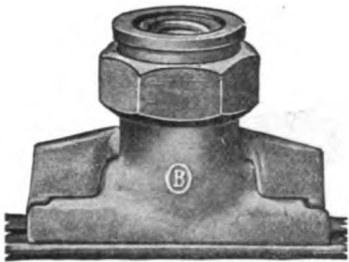
108900	8917	0 & 00 Fig. 8	4	$1\frac{7}{8}$	22.00
108901	8920	000 & 0000 Fig. 8	4	$1\frac{7}{8}$	23.10

Form 2, Malleable Iron, Sherardized

108902	10969	00 to 0000 Grooved	5	22.65
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TROLLEY SUSPENSION MATERIAL



Form 1 Trolley Clamp



MODOC TROLLEY CLAMPS

Form 1, Malleable Iron, Sherardized

Especially designed for supporting trolley wires in mines. It is possible to attach clamp to trolley wire just tight enough to hold wire in position until it has been stretched.

Clamp can then, by one operation, be permanently tightened upon trolley wire and hanger, thus eliminating loose joints between clamp and hanger, which it is often impossible to do with the other styles of clamps.

Has no pins or weak parts, and as jaws are very narrow it provides ample clearance for flange of trolley wheel.

Height over all, $2\frac{1}{4}$ inches; length of jaws, $3\frac{1}{8}$ inches. Size of boss, $\frac{5}{8}$ inch.

Trade No.	Mfrs. No.	For Size Wire, B. & S.	Price per 100
108873	10875	0 and 00 round	\$39.60
108874	10876	000 and 0000 round	39.60
108875	10877	0 to 0000 Fig. 8	39.60
108876	10760	0 to 0000 grooved	39.60

Form 2, Malleable Iron, Sherardized

Used for supporting trolley wires in mines. Similar to Form 1 clamp listed above in both design and operating principle, except that Form 2 clamp is without aligning feature and is therefore best adapted for use with hangers that are attached to the mine roof by means of expansion bolts, etc.

Height over all, $2\frac{1}{4}$ inches; length of jaws, $3\frac{1}{8}$ inches. Size of boss, $\frac{5}{8}$ inch.

Trade No.	Mfrs. No.	For Size Wire, B. & S.	Price per 100
108877	10967	0 and 00 round	\$33.00
108878	10968	000 and 0000 round	33.00
108879	10966	0 to 0000 Fig. 8	33.00
108880	10965	0 to 0000 grooved	33.00

MODOC FEEDER CLAMPS

Form 1, Bronze Jaws

Same design as Form 1 trolley clamp listed above, with the addition of a horizontal feeder lug drilled for a 00 to 0000 B. & S. solid or stranded wire, which is held firmly in place by two set screws.

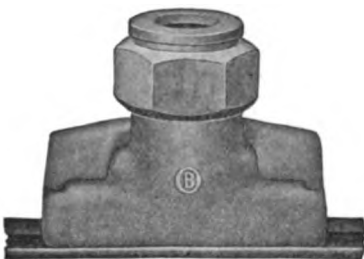
Size of boss, $\frac{5}{8}$ inch.

Trade No.	Mfrs. No.	For Size Wire, B. & S.	Price per 100
108881	11018	0 to 0000 Fig. 8	\$77.00
108882	11019	0 to 0000 grooved	77.00

WRENCHES

Used for installing Modoc Trolley Clamps.

Trade No.	Mfrs. No.	Description	Price per 100
108883	10616	Malleable iron, sherardized..	\$44.00



Form 2 Trolley Clamp



Form 1, Feeder Clamp

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TROLLEY SUSPENSION MATERIAL

CLINCH TROLLEY EARS



Ears are cast solid and wire groove in lips is milled out accurately to size. Lips are of uniform thickness, and a slight bevel on outside of lips produces a sharp edge, but retains original tough skin of bronze casting for a wearing surface and eliminates brittleness sometimes caused by grinding. Lips afford a smooth underrun to trolley wheel.

A heavy web extends to top of boss and boss extends entirely down to lips. Can be furnished tinned for soldering if desired.

Length, 9 Inches				
Trade No.	Mfrs. No.	For Round Wire Size, B. & S.	Size of Boss Inches	Price per 100
108817	10019	0	$\frac{5}{8}$	\$54.00
108818	10020	00	$\frac{5}{8}$	55.50
Length, 12 Inches				
108819	10021	0	$\frac{5}{8}$	60.50
108820	10022	00	$\frac{5}{8}$	62.75
Length, 15 Inches				
108821	10023	0	$\frac{5}{8}$	70.40
108822	10024	00	$\frac{5}{8}$	72.60
108823	10025	00	$\frac{3}{4}$	72.60
108824	10026	000	$\frac{5}{8}$	79.20
108825	10027	000	$\frac{3}{4}$	79.20
108826	10028	0000	$\frac{5}{8}$	82.50
108827	10029	0000	$\frac{3}{4}$	82.50

CLINCH FEEDER EARS



The feeder lug is drilled to accommodate 00 to 0000 B. & S. solid or stranded wire.

Length of ears, 15 inches; groove is tinned for soldering.

Trade No.	Mfrs. No.	For Round Wire Size, B. & S.	Size of Boss Inches	Price per 100
108828	10061	0	$\frac{5}{8}$	94.50
108829	10063	00	$\frac{5}{8}$	99.00
108830	10064	00	$\frac{3}{4}$	99.00
108831	10065	000	$\frac{5}{8}$	103.20
108832	10066	000	$\frac{3}{4}$	103.20
108833	10067	0000	$\frac{5}{8}$	110.00
108834	10068	0000	$\frac{3}{4}$	110.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TROLLEY SUSPENSION MATERIAL

TROLLEY WIRE CONNECTORS


Made from either extruded metal or hard-drawn brass. When properly installed the joint obtained has a greater tensile strength than the wire.

Extruded metal is more dense than drawn brass and has a higher tensile strength so that splicers may be made of smaller cross section for the same length.

Additional strength is gained in extruded connectors by adding metal at the top. Smaller dimension as given is width across flats.

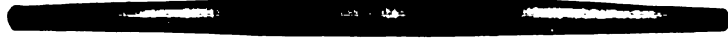
Central portion of connector is left solid and a milled slot is provided on each side of center for pouring in solder. Connectors are tinned.

Extruded Metal Connectors, Patented




Trade No.	Mfrs. No.	Size Inches	For Size Wire, B. & S.	Price per 100
108839	12468	14x $\frac{9}{8}$	0 round	\$168.00
108840	12469	15x $\frac{5}{8}$	00 round and grooved	182.50
108841	12470	17x $\frac{1}{2}$	000 round and grooved	230.50
108842	12471	12x $\frac{3}{4}$	0000 round and grooved	192.50
108843	12472	19x $\frac{3}{4}$	0000 round and grooved	270.60

Drawn Brass Connectors



Trade No.	Mfrs. No.	Size Inches	For Size Wire, B. & S.	Price per 100
108844	8700	10x $\frac{5}{8}$	0 round	\$88.00
108845	8650	15x $\frac{5}{8}$	0 round	118.70
108846	8702	10x $\frac{5}{8}$	00 round	90.50
108847	8651	16x $\frac{5}{8}$	00 round	123.50
108848	8703	18x $\frac{1}{2}$	00 round	176.00
108849	8704	11x $\frac{3}{4}$	000 round	127.50
108850	8652	18x $\frac{3}{4}$	000 round	197.50
108851	8705	18x $\frac{7}{8}$	000 round	260.00
108852	8706	12x $\frac{7}{8}$	0000 round	177.00
108853	8653	20x $\frac{7}{8}$	0000 round	280.40
108854	8707	11x $\frac{3}{4}$	00 grooved	127.50
108855	8654	18x $\frac{3}{4}$	00 grooved	197.50
108856	8708	18x $\frac{7}{8}$	00 grooved	260.00
108857	8709	12x $\frac{7}{8}$	000 grooved	170.00
108858	8655	20x $\frac{7}{8}$	000 grooved	280.40
108859	8710	12x $\frac{7}{8}$	0000 grooved	177.00
108860	8656	20x $\frac{7}{8}$	0000 grooved	280.40

K-I TROLLEY WIRE SPLICERS



Trolley wire is secured in place by means of tapered steel dogs, which are barbed on one side to grip wire, and tapered on the other to correspond to tapered inner wall of splicer. No soldering is necessary, as tension of wire is sufficient to keep dogs in place. Circular in shape and made of high strength bronze.

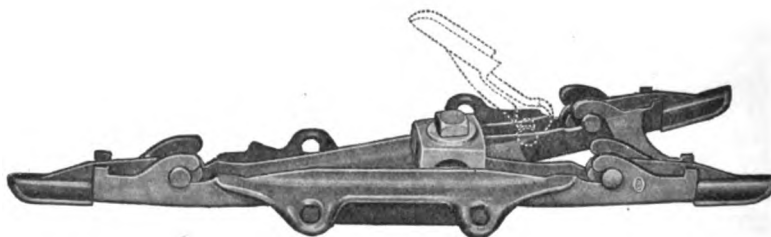
Trade No.	Mfrs. No.	Length Inches	For Size Wire, B. & S.	Price per 100
108861	5692	10	0 round	\$91.50
108862	5693	11	00 round	99.00
108863	5694	12	000 round	105.50
108864	5695	15	0000 round	150.50
108865	5696	9 $\frac{3}{4}$	0 Fig. 8	90.25
108866	5697	9 $\frac{3}{4}$	00 Fig. 8	90.50
108867	5698	11 $\frac{1}{2}$	000 Fig. 8	114.25
108868	5699	15	0000 Fig. 8	153.00
108869	8571	12	00 grooved	105.50
108870	8572	15	000 grooved	150.50
108871	8573	15	0000 grooved	154.00
108872	5700	Dogs for splicer.....		6.60

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TROLLEY SUSPENSION MATERIAL

TYPE D TROLLEY FROGS

Form 1—Malleable Iron—With Renewable Bronze Tips



Consists of only six parts—pan casting, clamping piece, clamping bolt and three bronze combination tip and cam wedge castings.

Wires are clamped to pan by tightening nut on central clamp casting. End pieces are then inserted under hooks upside down with tips pointed toward center of pan and are forced over and outward until lips encircle the wires, the cams meantime forcing wires into bottom of grooves and holding them securely in place. Lips are then clinched around wires and operation is completed. Clamping arrangement is amply strong for holding wire, and cams are designed to force either a new or badly worn old wire into bottom of groove.

Pan offers a smooth under-run for all sizes of trolley wheels. Sides are flared outwardly at the ends to catch wheel, and deflector bar between branch arms prevents wedging of wheel in case it should jump.

Tips have lips $2\frac{1}{2}$ inches long, ground to a knife edge at outer end and left full thickness at inner to provide an easy approach to pan runner. Pull-off rings have holes $\frac{1}{2} \times 1$ inch. All iron parts are sherardized.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

20-Degree				
Trade No.	Mfrs. No.	Style	For Size Wire	Price Each
36701	11248	Right-hand	0 and 00 round and grooved	\$3.85
36702	11249	Right-hand	000 round and grooved	3.85
36703	11250	Right-hand	0000 round and grooved	3.85
36704	11251	Right-hand	00 Figure 8	3.85
36705	11252	Right-hand	0000 Figure 8	3.85
36706	11253	Left-hand	0 and 00 round and grooved	3.85
36707	11254	Left-hand	000 round and grooved	3.85
36708	11255	Left-hand	0000 round and grooved	3.85
36709	11256	Left-hand	00 Figure 8	3.85
36710	11257	Left-hand	0000 Figure 8	3.85
36711	11258	"V"	0 and 00 round and grooved	3.85
36712	11259	"V"	000 round and grooved	3.85
36713	11260	"V"	0000 round and grooved	3.85
36714	11261	"V"	00 Figure 8	3.85
36715	11262	"V"	0000 Figure 8	3.85
15-Degree				
36716	11263	Right-hand	0 and 00 round and grooved	4.10
36717	11264	Right-hand	000 round and grooved	4.10
36718	11265	Right-hand	0000 round and grooved	4.10
36719	11315	Right-hand	00 Figure 8	4.10
36720	11266	Right-hand	0000 Figure 8	4.10
36721	11267	Left-hand	0 and 00 round and grooved	4.10
36722	11268	Left-hand	000 round and grooved	4.10
36723	11269	Left-hand	0000 round and grooved	4.10
36724	11316	Left-hand	00 Figure 8	4.10
36725	11270	Left-hand	0000 Figure 8	4.10
36726	11271	"V"	0 and 00 round and grooved	4.10
36727	11272	"V"	000 round and grooved	4.10
36728	11273	"V"	0000 round and grooved	4.10
36729	11317	"V"	00 Figure 8	4.10
36730	11274	"V"	0000 Figure 8	4.10
Renewable Bronze Tips				
36731	11275	.....	0 and 00 round and grooved	.60
36732	11276	.....	000 round and grooved	.60
36733	11277	.....	0000 round and grooved	.60
36734	11278	.....	00 Figure 8	.60
36735	11279	.....	0000 Figure 8	.60

TROLLEY SUSPENSION MATERIAL

FIBER SECTION INSULATORS

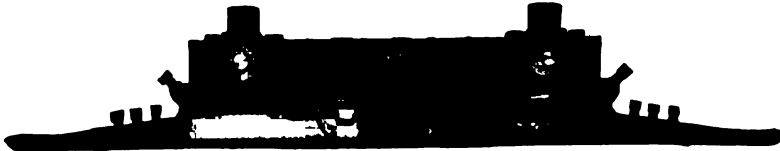
750 Volts



Provided with white fiber insulation, 12 inches long, and bronze end castings. Feeder lug drilled for a 00 to 0000 solid or stranded feeder wire. Should be supported by straight line hanger tapped for $\frac{5}{8}$ -inch stud. Length over all, $25\frac{1}{2}$ inches; height, $3\frac{1}{4}$ inches; set screws, $\frac{1}{2} \times 1$ inch.

Trade No.	Mfrs. No.	For Size Wire, B. & S.	Price Each	Trade No.	Mfrs. No.	For Size Wire, B. & S.	Price Each
108777	3193	0 round	\$7.60	108783	4148	000 Fig. 8	\$7.60
108778	4143	00 round	7.60	108784	4149	0000 Fig. 8	7.60
108779	4144	000 round	7.60	108785	4150	00 grooved	7.60
108780	4145	0000 round	7.60	108786	4151	000 grooved	7.60
108781	4146	0 Fig. 8	7.60	108787	4152	0000 grooved	7.60
108782	4147	00 Fig. 8	7.60	108788	3195	Fiber break	1.65

TYPE M MINE SECTION INSULATOR SWITCHES



Used in mines where it is desired to have current in any section of the trolley wire only when a locomotive is operating there. Switch is closed by locomotive driver when entering the section and opened on leaving it. Beam is made of hickory, impregnated and varnished. End castings are bronze. Rotatable center is malleable iron, equipped with a copper switch blade. Handle is composition insulation.

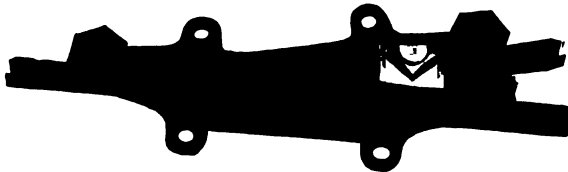
Metallic under-run allows locomotive to operate under insulator with current on and without arcing or sudden rush of current to motors. Fastened to mine roof by two $\frac{5}{8}$ -inch insulated hangers, giving a rigid construction.

Feeder lugs will take No. 0000 solid or smaller wires. Capacity of switch is ample for any current that will be carried by trolley wire. Length over all, 30 inches; height, $5\frac{1}{4}$ inches; set screws, $\frac{3}{8} \times \frac{1}{8}$ inch.

Trade No.	Mfrs. No.	For Size Wire, B. & S.	Price Each
108805	11631	00 round and grooved	\$13.20
108806	11600	0000 round and grooved	13.20
108807	11632	00 Fig. 8	13.20
108808	11633	0000 Fig. 8	13.20

TYPE A TROLLEY FROGS

All Bronze

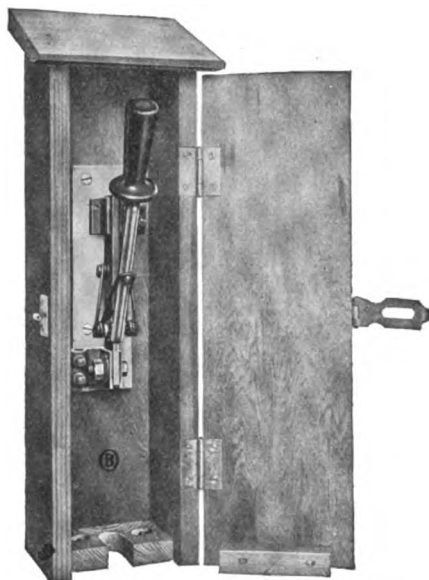


For Size Wire, B. & S.						For Size Wire, B. & S.					
Trade No.	Mfrs. No.	Style of Frog	Degree Angle	Round, Fig. 8 and Grooved	Price Each	Trade No.	Mfrs. No.	Style of Frog	Degree Angle	Round, Fig. 8 and Grooved	Price Each
108792	10527	Right-hand	20	0, 00	\$5.20	108799	10016	Left-hand	15	0-0000	\$6.30
108793	10013	Right-hand	20	000, 0000	5.50	108800	10386	V frog	15	0-0000	6.30
108794	10528	Left-hand	20	0, 00	5.20	108801	8685	Right-hand	8	0-0000	7.80
108795	10014	Left-hand	20	000, 0000	5.50	108802	8686	Left-hand	8	0-0000	7.80
108796	10529	V frog	20	0, 00	5.20	108803	8687	V frog	8	0-0000	8.80
108797	10385	V frog	20	000, 0000	5.50	108804	8642	Three-way	15	0-0000	11.25
108798	10015	Right-hand	15	0-0000	6.30	.....	.....	.....	.....	.....	.....

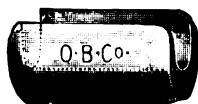
In ordering frogs specify the angle desired.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

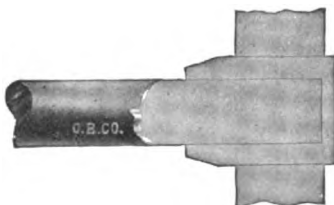
TROLLEY SUSPENSION MATERIAL



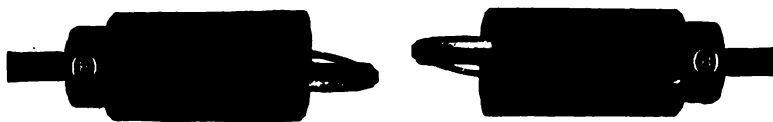
Line Section Switch



Channel Pin



Steel Bonding Cap



A simple and efficient form of connector for coupling trailer and motor car lighting circuits and for similar work. The device is so designed that, when uncoupled, all exposed parts are dead, thus eliminating the possibility of shock. Each end of the connector is supplied with 3 feet of No. 12 flexible insulated cable, securely soldered in place.

Trade No.	Mfrs. No.	Description	Price per 100
36815	11023	Trailer connector.....	\$165.00

LINE SECTION SWITCHES

For Circuits of 110-750 Volts—Not Fused

Switch is quick break type, single-pole mounted on slate base and enclosed in wood box with hinged door, which may be closed and fastened when switch is open or closed.

Trade No.	Mfrs. No.	Amperes	Size of Lug, In.	Price Each
36781	11359	100	1/2	\$7.25
36782	11360	200	1/2	7.60
36783	11361	300	3/4	8.60
36784	11362	400	1	9.70
36785	11363	600	1 1/8	13.40
36786	11364	800	1 1/8	17.05
36787	11365	1000	1 1/8	20.35

CHANNEL PINS

These channel pins are tapered on one end so that they may be easily started in the rail, and are slightly larger than the hole in the rail so that when seated they compress tightly on the wire and make a firm and solid joint. Made of steel, copper-plated.

Trade No.	Mfrs. No.	Size Wire	Diam. of Pin, In.	Diam. of Hole in Rail, In.	Price per 1000
36788	1272	0	1/8	9/16	\$25.85
36789	8765	0	1/8	5/8	27.50
36790	2684	00	1/8	9/16	25.85
36791	7546	00	1/8	5/8	27.50
36792	1861	00	3/4	2 1/2	29.95
36793	8767	00	3/4	3	30.80
36794	8769	0000	3/4	2 1/2	29.95
36795	4500	0000	3/4	2 1/2	30.80

STEEL BONDING CAPS

The steel bonding cap is a metal cap which fits snugly over the end of the bonding wire and in the web or base of the rail. The metal in the steel caps is a soft, pliable quality of steel of high conductivity.

For cross-connecting and special bonding the caps made in the various sizes listed are furnished open at both ends so as to allow the bonding wire to pass entirely through them.

Trade No.	Mfrs. No.	Size Bonding Wire B. & S. Gauge	Diam. of Cap, In.	Diam. of Hole in Rail, In.	Price per 1000
36807	1850	0000	1/8	1 1/2	\$34.75
36808	4490	00	1/8	5/8	35.75
36809	1851	00	1/8	9/16	34.10
36810	1259	00	1/8	1 1/2	32.45
36811	4491	0	1/8	5/8	35.65
36812	1852	0	1/8	9/16	34.10
36813	1853	0	1/8	1 1/2	32.45
36814	1260	0	1/8	7/8	31.25

Caps to fit rails already drilled furnished to order; 1/32 inch is allowed for driving fit.

TRAILER CONNECTORS

TROLLEY SUSPENSION MATERIAL

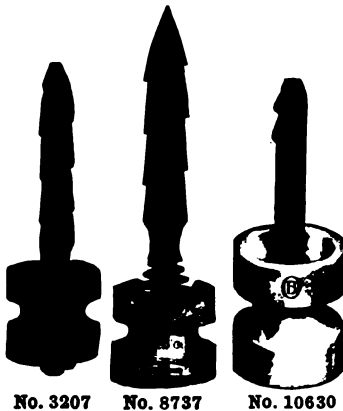
SECURITY MINE FEEDER WIRE INSULATORS

Form 1

Intended for supporting and insulating feeder wire in mines and consists of three parts: Semi-porcelain insulator, malleable iron pin and locking washer.

Grooves are provided through insulator to drain off any moisture which may accumulate and run down pin.

Length over all is $8\frac{3}{4}$ inches. Insulator spool is $2\frac{3}{8}$ inches high, $2\frac{3}{8}$ inches in diameter and has $\frac{3}{4}$ -inch groove.



No. 3207 No. 8737 No. 10630

Trade No.	Mfrs. No.	Description	Price per 100
108693	3207	Insulator complete.....	\$13.80
108694	3208	Semi-porcelain insulator only.....	5.10
108695	3209	Malleable iron pin, plain finish....	7.95
108696	3210	Malleable iron washer, plain finish..	.90

Form 2

Similar to Form 1, except that it is constructed so the insulator cannot turn or back off when in use.

Provided with a spring, which is strongly recommended when insulator is to be used in a horizontal position. It is not necessary to use a spring when insulator is placed in roof of mine or in a vertical position, as insulator spool would then be in a position to lock itself upon pin.

Length over all is $8\frac{3}{4}$ inches. Insulator spool is $2\frac{3}{8}$ inches high, $2\frac{3}{8}$ inches in diameter and has a $\frac{3}{4}$ -inch groove.



O-B Mine Trolley Wheel

108697	8737	Insulator complete with sherardized spring....	14.95
108698	8738	Insulator without spring.....	13.00
108699	8739	Semi-porcelain insulator only.....	5.10
108700	8740	Spring only, sherardized.....	2.45
108701	3209	Malleable iron pin only, plain finish.	7.95

STANDARD MINE FEEDER WIRE INSULATORS

Height over all is $8\frac{3}{4}$ inches. The insulator spool is $3\frac{3}{8}$ inches high, 3 inches in diameter and has a 1-inch groove.

108702	10630	Insulator complete.....	29.70
108703	10631	Porcelain insulator only.....	12.80
108704	10632	Malleable iron pin, plain finish.....	16.90

O-B MINE TROLLEY WHEELS

The O-B Wheel can be used with any standard mine harp. Width of flange is $1\frac{1}{2}$ inches; hub, $1\frac{1}{2}$ inches; bore, $\frac{1}{2}$ inch.

Trade No.	Mfrs. No.	Description	Price Each
108708	11017	4-inch wheel for $\frac{1}{2}$ -inch axle.....	\$2.20
108709	10819	Graphite bushing, $\frac{3}{8} \times 1\frac{1}{2} \times \frac{1}{2}$ inches	.25

The above wheel is designated by its nominal diameter; the actual diameter is $4\frac{1}{4}$ inches.

MOORE TRACK DRILLS

All drills are regularly furnished complete with a standard chuck which takes a $\frac{5}{8}$ -inch uniform round shank twist drill and will drill holes up to $1\frac{1}{4}$ inches in diameter. A $\frac{1}{8}$ -inch bit is included with each drill.



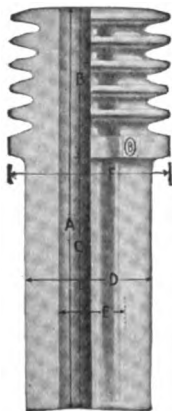
Nos. 1 and 2 Drills for Tee Rails

Trade No.	Mfrs. No.	Description	Wt. Lbs.	Price Each
108710	10133	No. 1 drill for tee rails..	60	\$36.30
108711	10134	No. 1 drill for girder rails	65	41.80
108712	10717	No. 2 drill for tee rails..	80	41.80
108713	10718	No. 2 drill for girder rails	85	47.30
108714	12341	No. 3 drill for tee rails..	60	35.20
108715	12342	No. 3 drill for girder rails	65	40.70

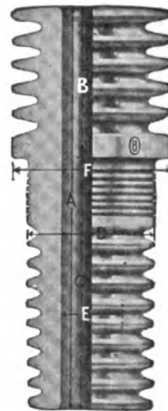
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

O-B PORCELAIN BUSHINGS

HIGH TENSION



Form 1



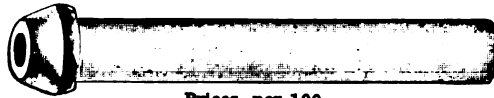
Form 2

A	DIMENSIONS, INCHES					Test Voltage	Form 1			Form 2		
	B	C	D	E	F		Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
8	3	5	3½	1¼	4	30000	34555	10880	\$3.30	34589	10914	\$3.65
8	3	5	3½	2	4	30000	34556	10881	3.30	34590	10915	3.65
8	3	5	4¼	1¼	5	30000	34557	10882	3.60	34591	10916	3.85
8	3	5	4¼	2	5	30000	34558	10883	3.60	34592	10917	3.85
8	3	5	5	3	5½	30000	34559	10884	3.85	34593	10918	4.20
8	3	5	5	1¼	5½	30000	34560	10885	3.85	34594	10919	4.20
8	3	5	5	2	5½	30000	34561	10886	3.85	34595	10920	4.20
10	4	6	3½	1¼	4	40000	34562	10887	4.20	34596	10921	4.40
10	4	6	3½	2	4	40000	34563	10888	4.20	34597	10922	4.40
10	4	6	4¼	1¼	5	40000	34564	10889	4.40	34598	10923	4.85
10	4	6	4¼	2	5	40000	34565	10890	4.40	34599	10924	4.85
10	4	6	5	3	5½	40000	34566	10891	4.85	34600	10925	5.50
10	4	6	5	1¼	5½	40000	34567	10892	4.85	34601	10926	5.50
10	4	6	5	2	5½	40000	34568	10893	4.85	34602	10927	5.50
14	6	8	3½	1¼	4	55000	34569	10894	5.50	34603	10928	6.05
14	6	8	3½	2	4	55000	34570	10895	5.50	34604	10929	6.05
14	6	8	4¼	1¼	5	55000	34571	10896	6.05	34605	10930	6.30
14	6	8	4¼	2	5	55000	34572	10897	6.05	34606	10931	6.30
14	6	8	5	3	5½	55000	34573	10898	6.30	34607	10932	6.95
14	6	8	5	1¼	5½	55000	34574	10899	6.30	34608	10933	6.95
14	6	8	5	2	5½	55000	34575	10900	6.30	34609	10934	6.95
18	8	10	3½	1¼	4	70000	34576	10901	7.05	34610	10935	7.95
18	8	10	4¼	1¼	5	70000	34577	10902	7.05	34611	10936	7.95
18	8	10	4¼	2	5	70000	34578	10903	7.50	34612	10937	8.50
18	8	10	5	1¼	5½	70000	34579	10904	7.50	34613	10938	8.50
18	8	10	5	2	5½	70000	34580	10905	8.50	34614	10939	9.05
18	8	10	5	3	5½	70000	34581	10906	8.50	34615	10940	9.05
22	10	12	4¼	1¼	5	85000	34582	10907	9.15	34616	10941	9.70
22	10	12	5	1¼	5½	85000	34583	10908	9.15	34617	10942	9.70
22	10	12	5	2	5½	85000	34584	10909	9.80	34618	10943	10.25
22	10	12	5	3	5½	85000	34585	10910	9.80	34619	10944	10.25
26	12	14	4¼	1¼	5	100000	34586	10911	11.45	34620	10945	12.10
26	12	14	5	1¼	5½	100000	34587	10912	11.45	34621	10946	12.10
26	12	14	5	2	5½	100000	34588	10913	11.45	34622	10947	12.10

The actual working voltage desired should be specified on all orders or inquiries.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PORCELAIN TUBES



Length under Head Inches	Prices, per 100									
	INSIDE AND OUTSIDE DIMENSIONS OF TUBES IN INCHES									
	$\frac{1}{2} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{1}{2}$	$\frac{1}{2} \times \frac{1}{2}$	$\frac{1}{2} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{1}{2}$	$1 \times \frac{1}{2}$	$1 \frac{1}{4} \times \frac{1}{2}$	$1 \frac{1}{2} \times \frac{1}{2}$	$1 \frac{3}{4} \times \frac{1}{2}$	$2 \times \frac{1}{2}$
$\frac{1}{2}$	\$1.30	\$1.40	....	....	....	....	....	....	....	....
1	1.30	1.40	2.10	2.70	3.00	4.50	.....	.....	.....	.....
$1 \frac{1}{2}$	1.30	1.50	2.10	2.70	3.30	5.30	.....	.....	.....	.....
2	1.40	1.80	2.60	3.20	4.20	6.00	.....	.....	.....	.....
$2 \frac{1}{2}$	1.50	2.20	3.00	4.00	5.00	7.00	12.20	15.60	19.80	23.40
3	1.60	2.60	3.40	4.70	5.50	8.00	13.80	17.40	22.00	25.80
4	2.70	3.00	4.10	5.50	6.80	10.00	15.60	19.20	23.90	27.70
5	3.20	3.60	4.80	6.40	8.00	12.50	18.10	25.30	34.10	41.70
6	3.90	4.50	5.50	7.30	9.50	14.30	19.20	31.20	45.30	57.90
8	7.20	8.40	9.60	10.80	12.00	16.80	24.00	38.40	58.10	73.90
10	9.60	10.80	12.00	14.40	16.80	19.20	31.20	45.60	66.00	81.80
12	14.40	15.60	16.80	19.20	21.60	26.40	45.60	69.20	102.10	128.00
14	20.20	23.10	25.90	28.80	31.70	34.60	63.40	97.90	145.70	183.70
16	23.10	25.90	28.80	34.60	37.50	43.20	74.90	109.50	158.40	196.50
18	25.90	28.80	34.60	40.30	43.20	49.00	86.40	122.70	190.30	234.10
20	28.80	31.70	37.50	43.20	46.10	54.70	95.10	135.40	211.40	259.20
22	33.10	36.00	40.30	46.10	51.90	59.10	103.70	148.30	231.60	285.10
24	37.50	40.30	43.20	49.00	57.60	63.40	112.30	161.30	252.30	311.10

For glazed tubes, add 50 per cent to net prices. For split, split floor, and split crossover tubes, multiply list by 10. For floor, curved, and curved end tubes, multiply list by 6. For headless tubes, multiply list by 4. All measurements should be computed over all except split tubes, which should be taken under head, and crossover tubes, which should be taken between heads.

Length under Head Inches	Standard Package Quantities							
	INSIDE AND OUTSIDE DIMENSIONS OF TUBES IN INCHES							
	$\frac{1}{2} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{1}{2}$	$\frac{1}{2} \times \frac{1}{2}$	$\frac{1}{2} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{1}{2}$	$1 \times \frac{1}{2}$	$1 \frac{1}{4} \times \frac{1}{2}$	$1 \frac{1}{2} \times \frac{1}{2}$
$\frac{1}{2}$	15000	14000	.....	.....	.....	.....	.....	.....
1	11000	7500	6000	4500	3700	.....	.....	.....
$1 \frac{1}{2}$	9000	8000	4200	3200	2500	1500	.....	.....
2	7000	7000	3400	2500	1800	1100	.....	.....
$2 \frac{1}{2}$	6000	5000	2800	2000	1500	900	525	350
3	5200	3800	2300	1800	1250	750	425	300
4	3900	2900	1800	1450	850	600	360	250
5	3500	2500	1600	1200	700	500	325	225
6	3200	2000	1400	1000	600	400	250	180
8	2200	1600	1100	700	450	325	180	140
10	1700	1200	800	500	350	245	140	110
12	1200	1000	525	375	325	190	120	90
14	1000	800	400	310	250	150	100	75
16	800	700	325	250	185	140	85	65
18	500	450	280	200	160	110	70	55
20	450	400	200	160	125	85	55	40
22	400	400	200	160	125	85	55	40
24	400	400	200	160	125	85	55	40

Tubes of larger size than $1 \frac{1}{4} \times 24$ inches, 50 equals standard package quantity.

Weight, Pounds, Standard Package Quantities								
$\frac{1}{2}$	380	390	.....	.....	.....	.....	.....	.....
1	370	380	375	380	330	.....	.....	.....
$1 \frac{1}{4}$	375	370	345	375	320	360	.....	.....
2	355	355	335	355	310	345	.....	.....
$2 \frac{1}{2}$	335	325	315	325	295	330	320	325
3	310	310	290	320	285	315	310	315
4	265	290	275	325	250	300	310	305
5	355	315	295	320	255	290	305	305
6	340	315	305	305	255	280	300	305
8	335	310	300	275	245	290	290	300
10	330	295	265	255	240	270	265	300
12	260	235	225	220	240	255	265	280
14	215	205	205	215	230	230	255	275
16	215	190	200	205	205	230	175	265
18	195	170	195	205	200	210	235	250
20	185	155	160	175	180	195	215	220
22	185	165	170	185	200	205	228	240
24	200	175	180	195	210	215	240	250

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PORCELAIN INSULATORS



No. 046321



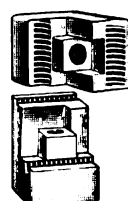
No. 58401



No. 046323



No. 58402



No. 046326



No. 37037



No. 046329



Federal Bushing



Strain

SPLIT INSULATORS

Trade No.	Mfrs. No.	No. of Grooves	For Size Wire	Diam. Inches	Height Inches	Std. Pkg.	Wt., Lbs. Std. Pkg.
046321	51½	2	12-14	1½	1¾	4000	500
58401	1849	2	12-14	1½	1¾	4000	500
046323	9419	4	8-10	1½	1¾	2000	500
046324	9420	4	4-10	2	2½	1000	475

Round Reversible

58402	101	2	12-14	1½	1¾	3700	500
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Square Reversible

046322	Midget	2	12-14	¾	1¾	4000	500
046326	55½	2	12-14	1½	1¾	3700	540
046327	45½	2	8-10	1½	2¼	2000	500
046328	35½	2	4-6	2	2½	1000	500

Nail-it

Nail-it consists of cap, base, 10d. nail and nail head assembled.

37037	1	2	12-14	1½	1¾	4000	650
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S and H

Trade No.	Manufacturers No.	No. of Holes	For Size Wire
046329	1	1	8

FEDERAL CLAMP BUSHINGS

Trade No.	Mfrs. No.	DIAMETER, INCHES Inside Outside	Standard Package	Price Each
023113	A-1	¾ 1	250	\$0.04
023114	A-1½	¾ 1½	250	.04½
023115	A-2	¾ 1½	250	.04½
023116	A-3	¾ 1	250	.05½
023117	A-4	¾ 1½	150	.06½
023118	A-5	1½ 1½	100	.08
023155	A-6	1½ 2½	50	.14
023156	B-1	¾ 1	250	.07

No. B-1 is 1¼ inches long.

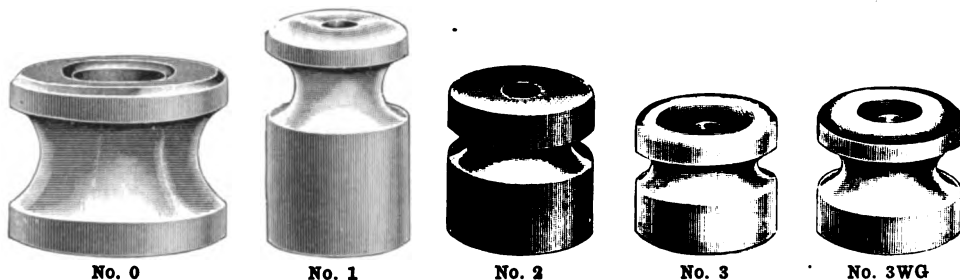
No. A-2 fits knock-out hole in standard outlet box.

STRAIN INSULATORS

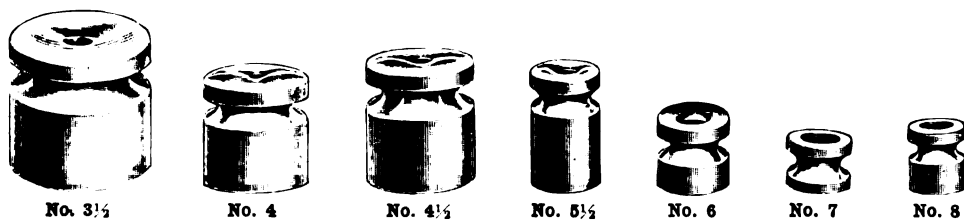
Trade No.	Mfrs. No.	Standard Package	Price per 100
046331	8	Small size ¾-inch	500 \$7.00
046332	9	Large size 1½-inch	300 9.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PORCELAIN INSULATORS

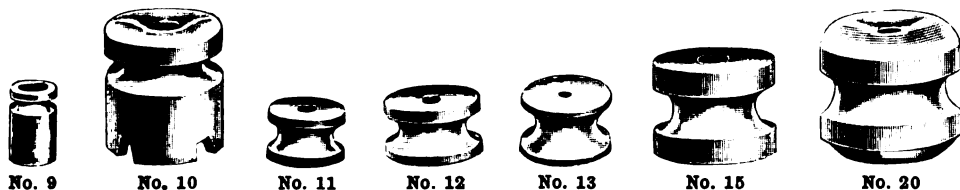


Trade No.	Stand. No.	Height	DIMENSIONS, INCHES		Groove	No. in Bbl.	Wt., Lbs. per Bbl.	Price per 1000
			Diam.	Hole				
042978	0	2 $\frac{1}{4}$	3	1 $\frac{1}{4}$	1	450	400	\$146.00
042979	1	3	2 $\frac{1}{8}$	$\frac{7}{16}$	$\frac{3}{4}$	657	465	88.00
042980	2	2	2	$\frac{1}{2}$	$\frac{1}{2}$	1050	475	49.00
042981	3	1 $\frac{3}{4}$	2	$\frac{7}{16}$	$\frac{7}{16}$	1200	480	41.00
042982	3WG	1 $\frac{3}{4}$	2	$\frac{7}{16}$	$\frac{3}{4}$	1200	470	41.00



Trade No.	Stand. No.	Height	Diam.	Hole	Groove	No. in Bbl.	Wt., Lbs. per Bbl.	Price per 1000
042983	3 $\frac{1}{2}$	2	2	$\frac{7}{16}$	$\frac{7}{16}$	1050	450	49.00
042984	4	1 $\frac{1}{8}$	1 $\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$	2200	490	17.00
042985	4 $\frac{1}{2}$	1 $\frac{7}{8}$	1 $\frac{1}{2}$	$\frac{3}{8}$	$\frac{7}{16}$	1900	475	19.00
042986	5	1 $\frac{1}{4}$	1	$\frac{1}{4}$	$\frac{5}{16}$	6000	480	12.00
042987	*5 $\frac{1}{2}$	1 $\frac{1}{8}$	1	$\frac{1}{4}$	$\frac{5}{16}$	5300	500	12.00
44677	†5 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{8}$	$\frac{1}{4}$	$\frac{5}{16}$	4500	500	15.00
042988	6	$\frac{7}{8}$	$\frac{5}{8}$	$\frac{3}{7}$	$\frac{1}{4}$	13000	490	15.00
042989	7	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{4}$	$\frac{7}{16}$	13500	475	19.00
042990	8	$\frac{5}{8}$	1	$\frac{1}{4}$	$\frac{3}{8}$	9000	475	15.00

*Old Code. †New Code.



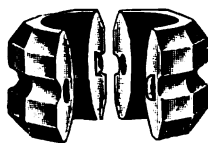
Trade No.	Stand. No.	Height	Diam.	Hole	Groove	No. in Bbl.	Wt., Lbs. per Bbl.	Price per 1000
042991	9	1 $\frac{1}{8}$	$\frac{5}{8}$	$\frac{3}{16}$	$\frac{3}{16}$	12000	475	15.00
042992	10	1 $\frac{3}{4}$	1 $\frac{5}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	2000	490	28.00
042993	11	$\frac{1}{2}$	1 $\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	9000	480	20.00
042994	12	$\frac{5}{8}$	1 $\frac{3}{8}$	$\frac{5}{16}$	$\frac{9}{16}$	8000	460	22.00
042995	13	$\frac{3}{4}$	1 $\frac{5}{8}$	$\frac{1}{8}$	$\frac{5}{8}$	5500	450	22.00
41934	14	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{4}$	$\frac{3}{16}$	13000	480	15.00
042996	15	1 $\frac{1}{8}$	1 $\frac{3}{4}$	$\frac{7}{16}$	$\frac{1}{2}$	2200	490	32.00
042997	20	2	2	$\frac{3}{8}$	$\frac{5}{8}$	1100	475	49.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PORCELAIN INSULATORS AND CLEATS



No. 21



No. 22

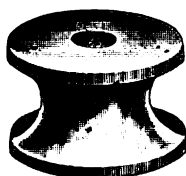


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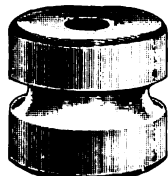


No. 24

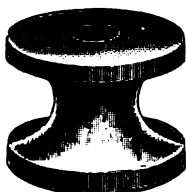
Trade No.	Stand No.	Height	DIMENSIONS, INCHES Diam.	Hole	Groove	Std. Pkg.	Wt., Lbs. per Bbl.	Price per 1000
042951	21	27 $\frac{5}{8}$	2	1 $\frac{1}{2}$	9 $\frac{1}{8}$	500	450	\$106.00
042952	22	15 $\frac{5}{8}$	2 $\frac{1}{8}$	1	3 $\frac{1}{8}$	1350	450	53.00
042953	23	11 $\frac{1}{2}$	1 $\frac{1}{2}$	3 $\frac{3}{8}$	1	2450	340	29.00
042954	24	13 $\frac{1}{4}$	1 $\frac{7}{8}$	7 $\frac{1}{8}$	5 $\frac{3}{8}$	1200	450	49.00



No. 25



No. 26



No. 29

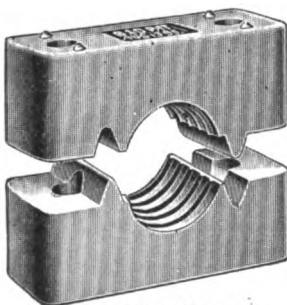


No. 36



No. 39

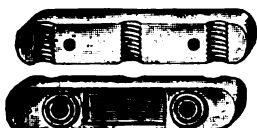
042955	25	1 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	750	330	75.00
042956	26	2	2 $\frac{1}{4}$	5 $\frac{5}{8}$	9 $\frac{1}{8}$	800	460	75.00
042957	29	23 $\frac{3}{8}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	13 $\frac{3}{8}$	600	415	100.00
042958	36	13 $\frac{3}{4}$	1 $\frac{3}{4}$	3 $\frac{1}{2}$	3 $\frac{1}{4}$	1800	415	36.00
042959	39	13 $\frac{1}{4}$	2 $\frac{1}{2}$	3 $\frac{1}{4}$	13 $\frac{3}{8}$	700	330	75.00



One-Wire Cleat



Two-Wire Cleat



Three-Wire Cleat

B & D PORCELAIN CLEATS

One-Wire

Trade No.	Mfrs. No.	Size Wire	Size, Groove Inches	Price, PER 1000 Reg. Style Style A*
044528	1	14 to 6	1 $\frac{1}{8}$ to 3 $\frac{3}{8}$	\$26.00 \$36.00
044529	1 $\frac{1}{2}$	10 to 2	3 $\frac{3}{8}$ to 7 $\frac{1}{8}$	40.00 50.00
044530	2	2 to 0	3 $\frac{3}{8}$ to 1 $\frac{1}{2}$	48.00 60.00
044531	2 $\frac{1}{2}$	0 to 000	3 $\frac{3}{8}$ to 5 $\frac{3}{8}$	60.00 72.00
044532	3	000 to 200000 C. M.	5 $\frac{3}{8}$ to 3 $\frac{1}{4}$	80.00 95.00
044533	3 $\frac{1}{2}$	200000 C. M. to 500000 C. M.	3 $\frac{1}{4}$ to 1	120.00 120.00
044534	4	500000 C. M. to 1000000 C. M.	1 to 1 $\frac{3}{8}$	160.00 160.00
044535	4 $\frac{1}{4}$	800000 C. M. to 1250000 C. M.	1 $\frac{3}{8}$ to 1 $\frac{5}{8}$	320.00 320.00
044536	4 $\frac{1}{2}$	1000000 C. M. to 2000000 C. M.	1 $\frac{5}{8}$ to 1 $\frac{7}{8}$	400.00 400.00

*Style A carry wires 1 inch over wiring surface.

Two-Wire

Trade No.	Mfrs. No.	Size Wire	Price, PER 1000 Glazed Unglazed
044537	1	12 to 14	\$26.00 \$20.00
044538	2	8 to 10	53.34 41.00

Three-Wire

062313	3	18-10	26.00 20.00
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PORCELAIN CLEATS



One-wire Duggan Cleat

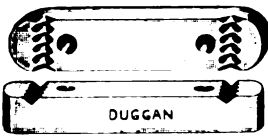
DUGGAN CLEATS

One-wire, Glazed

Trade No.	Mfrs. No.	For Wire Size B. & S.	Std. Pkg.	Price per 1000
028462	4	16 to 8	250	\$26.68
028463	5	2 to 00	250	48.00
028464	6	000 to 250000	250	80.00
028465	7	6 to 2	250	48.00
028466	8	300000 to 500000	250	160.00
028467	8½	600000 to 1000000	250	190.00
028468	9	1250000 to 1750000	250	320.00

One-wire, 1 Inch Under Groove

028469	4A	16 to 8	250	36.68
028470	5A	2 to 00	250	60.00
028471	6A	000 to 250000	250	95.00
028472	7A	6 to 2	250	60.00
028473	8	300000 to 500000	250	160.00
028474	8½	600000 to 1000000	250	190.00
028475	9	1250000 to 1700000	250	320.00



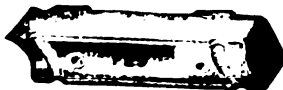
Two-wire Duggan Cleat

Three-wire

Trade No.	Mfrs. No.	For Wire Size B. & S.	Style	Std. Pkg.	Price per 1000
028460	1	16 to 8	Glazed	1000	\$34.20
028461	1	16 to 8	Unglazed	1000	24.00

Two-wire

028495	2	6 to 00	Glazed	1000	53.34
028496	3	16 to 8	Glazed	1000	34.20
028497	3	16 to 8	Unglazed	1000	24.00



Two-wire P & S Cleat

P & S CLEATS

Three-wire

Trade No.	Mfrs. No.	For Wire Size B. & S.	Style	Std. Pkg.	Wt. Lbs.	Price per 100 Pairs
068603	*A43	14 to 12	Glazed	500	99	\$3.70
068604	*A43½	14 to 12	Unglazed	500	94	2.70
068605	43	14 to 6	Glazed	500	128	4.50
068606	43½	14 to 6	Unglazed	500	121	3.50

Two-wire

068607	*A3	14 to 12	Glazed	500	90	3.60
068608	*A3½	14 to 12	Unglazed	500	85	2.60
068609	3	14 to 6	Glazed	500	110	4.40
068610	3½	14 to 6	Unglazed	500	108	3.40



P & S Corner Cleat

Two-wire Corner

068611	103	14 to 6	Glazed	500	102	5.51
068612	103½	14 to 6	Unglazed	500	102	3.54

These cleats are for use in carrying wire around corners, beams, etc.

*Not approved by the Underwriters' Laboratories.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNIVERSAL INSULATOR SUPPORTS



No. 500



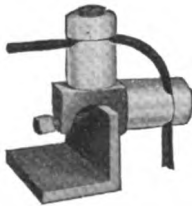
No. 501



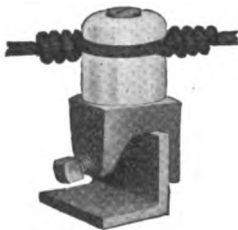
No. 502



No. 503



Showing No. 500 Support with Two No. $5\frac{1}{2}$ Split Insulators Support is Tapped Special for No. 10-24-Thread Machine Screw



Showing No. 502 Support with No. $3\frac{1}{2}$ Insulator. Support is Tapped Standard for No. 24-16-Thread Machine Screw



Showing No. 503 Support with D. G. D. P. Glass Insulator and Special Wood Pin

Universal Insulator Supports are specially designed malleable iron clamps for securing insulators in any position to open steel framework for wiring mills, foundries, factories, shops, bridges, piers, elevated railways, subways, train sheds and similar structures. They are easily attached, and by their use, electric wiring for lights, motors, generators, cranes, etc., can be installed with a great saving of labor and material.

LIST PRICES OF UNIVERSAL INSULATOR SUPPORTS

Trade No.	Mfrs. No.	Size of Support Inches	Standard Tapping for Screws and Bolts (See Note A)	Price per 100
012141	500	1	$\frac{1}{4}$ -inch—20 (No. 14-20)	\$20.00
012142	501	$1\frac{1}{2}$	$\frac{1}{8}$ -inch—18 (No. 18-18)	34.00
012143	502	2	$\frac{3}{8}$ -inch—16 (No. 24-16)	46.00
012144	503	$2\frac{1}{2}$	$\frac{1}{2}$ -inch—13	68.00

Prices include leather washers for insulators, but do not include machine screws or bolts for insulators.

Table of Wires, Insulators, Supports and Screws

These combinations of wire sizes, insulators and supports should be followed only after consideration of the problem in hand, taking account of character of work and stresses involved, strength of insulators, etc. Table shows largest size of wires suitable for insulators listed—smaller wires may, of course, be used as desired.

See Notes	Largest Wire Fitting Insulator Groove	Insulator Std. No.	Size of Insulator Support Inches	Screws and Bolts—Sherardized Size	Price per 100
....	No. 12	$5\frac{1}{2}$	1	2 -in. No. 14-20-F.H.	\$1.46
A	No. 12	$5\frac{1}{2}$ Split	1	$2\frac{1}{4}$ -in. No. 10-24-F.H.	1.18
....	No. 8	33 Sec.	$1\frac{1}{2}$	$2\frac{3}{4}$ -in. No. 18-18-F.H.	2.88
A	No. 6	9419	$1\frac{1}{2}$	$2\frac{1}{2}$ -in. No. 14-20-F.H.	1.84
....	No. 6	$4\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$ -in. No. 18-18-F.H.	2.26
....	No. 4	$3\frac{1}{2}$	2	$2\frac{1}{2}$ -in. No. 24-16-F.H.	3.68
A	No. 4	9420	2	$2\frac{3}{4}$ -in. No. 18-18-F.H.	2.88
B	No. 2	2	2	$2\frac{1}{2}$ -in. No. 24-16-R.H.	3.68
B	No. 1	26	2	$2\frac{1}{2}$ -in. No. 24-16-R.H.	3.68
B	No. 0	24	2	$2\frac{1}{4}$ -in. No. 24-16-R.H.	3.44
B	No. 0	30	2	$2\frac{1}{2}$ -in. No. 24-16-R.H.	3.68
C	No. 2-0	3 W. G.	2	$2\frac{1}{2}$ -in. No. 24-16-F.H.	3.68
C	No. 2-0	1	2	$3\frac{1}{4}$ -in. No. 24-16-F.H.	6.11
B-C	250000 C.M.	49	$2\frac{1}{2}$	2 -in. x $\frac{1}{2}$ -in. bolt	3.86
B-C	300000 C.M.	Murdock-B	2	$3\frac{1}{2}$ -in. x $\frac{3}{8}$ -in. bolt	3.04
B-C	300000 C.M.	Murdock-B	$2\frac{1}{2}$	$3\frac{1}{2}$ -in. x $\frac{1}{2}$ -in. bolt	4.64
A-B-C	500000 C.M.	29	$2\frac{1}{2}$	3 -in. x $\frac{3}{8}$ -in. bolt	2.88
B-C	1000000 C.M.	52	$2\frac{1}{2}$	$3\frac{3}{4}$ -in. x $\frac{1}{2}$ -in. bolt	4.90
B-C	1000000 C.M.	53	$2\frac{1}{2}$	$3\frac{1}{2}$ -in. x $\frac{1}{2}$ -in. bolt	4.64
B-C	1000000 C.M.	Murdock-A	$2\frac{1}{2}$	4 -in. x $\frac{1}{2}$ -in. bolt	4.90
....	To fit glass ins.	38 and Glass	$2\frac{1}{2}$	Special wood pin and bolt	10.00

NOTE A.—Items marked require supports to be tapped special for screws or bolts, without extra charge.

NOTE B.—Should have iron washer under screw or bolt head.

NOTE C.—B. & D. Cleats also recommended.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

G-E CLAMP INSULATORS

Clamp
InsulatorWall Bracket
Clamp and
InsulatorsWall Hanger
Clamp and
Insulators

TWO-PIECE CLAMP INSULATORS, WITHOUT CLAMPS

Trade No.	Mfrs. No.	Size, Hole Inches	Std. Pkg.	Price per 100
029286	9214	$\frac{5}{8}$	100	\$5.00
029287	9215	$\frac{3}{4}$	100	5.00
029288	9216	$\frac{1}{2}$	100	5.00
029289	9221	$\frac{5}{8}$	100	5.50
029290	9222	$\frac{3}{4}$	100	5.50
029291	9228	$\frac{7}{8}$	100	6.50
029292	9229	1	100	6.50
029293	9230	$1\frac{1}{8}$	100	6.50
029294	9236	$1\frac{1}{4}$	100	11.00
029295	9237	$1\frac{3}{8}$	100	11.00
029296	9238	$1\frac{1}{2}$	100	11.00
029297	9243	$1\frac{3}{4}$	100	18.00
029298	9244	2	100	18.00
029299	65247	$2\frac{1}{4}$	100	21.00
029300	64487	$2\frac{1}{2}$	100	21.00
029301	64934	$2\frac{3}{4}$	100	21.00
029302	64488	3	100	25.00
029303	64936	$3\frac{1}{2}$	100	25.00

CLAMPS COMPLETE, FOR INSULATORS

Trade No.	Mfrs. No.	Iron For Style Insulators	Std. Pkg.	Price per 100
029304	9499	9214, 9215, 9216	100	\$15.00
029305	9498	9221, 9222	100	18.00
029306	9361	9228, 9229, 9230	100	25.00
029307	9360	9236, 9237, 9238	100	35.00
029308	9359	9243, 9244	100	45.00
029309	64489	65247, 64487, 64934	100	55.00
029310	64938	64488, 64936	100	65.00

Composition Metal, for Use on A. C.

Trade No.	Mfrs. No.	For Style Insulators	Std. Pkg.	Price per 100
029311	22718	9214, 9215, 9216	100	90.00
029312	22750	9221, 9222	100	100.00
029313	22751	9228, 9229, 9230	100	165.00
029314	22752	9236, 9237, 9238	100	175.00
029315	22753	9243, 9244	100	185.00
029316	64490	65247, 64487, 64934	100	195.00
029317	64940	64488, 64936	100	205.00

The porcelain clamp insulator consists of a cast iron seat, a steel strap, and a split porcelain bushing.

WALL INSULATOR CLAMPS

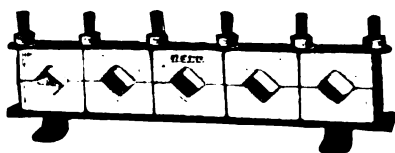
Trade No.	Mfrs. No.	For Three $1\frac{1}{4}$ -Inch Insulators	Std. Pkg.	Price Each
029318	11473	Bracket type.....	10	\$2.50
029319	11474	Hanger type.....	10	2.50
029320	11475	Insulator for above, $1\frac{1}{4}$ -inch hole.....	100	.50

Above prices do not include insulators.

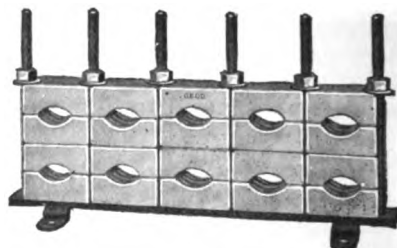
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

G-E INSULATOR RACKS

SCHEDULE G-1



One Tier Rack Insulators



Double Tier Rack Insulators

FOR ONE TIER OF INSULATORS

Trade No.	Mfrs. No.	No. of Insulators	Style of Insulators	Price Each	Trade No.	Mfrs. No.	No. of Insulators	Style of Insulators	Price Each
062549	69012	12	49031, 69010, 69011	\$5.50	062566	51888	6	69009	\$2.00
062550	121480	11	49031, 69010, 69011	5.00	062567	69022	5	69009	1.60
062551	121481	10	49031, 69010, 69011	4.75	062568	49107	4	69009	1.40
062552	121482	9	49031, 69010, 69011	4.25	062569	69023	3	69009	1.25
062553	69013	8	49031, 69010, 69011	4.00	062570	121489	2	69009	1.00
062554	121483	7	49031, 69010, 69011	3.80	062571	69016	12	69011	5.65
062555	51886	6	49031, 69010, 69011	3.75	062572	121465	11	69011	5.50
062556	69014	5	49031, 69010, 69011	2.65	062573	121466	10	69011	5.00
062557	33749	4	49031, 69010, 69011	2.25	062574	121467	9	69011	4.50
062558	69015	3	49031, 69010, 69011	1.80	062575	69017	8	69011	4.00
062559	121484	2	49031, 69010, 69011	1.60	062576	121468	7	69011	3.80
062560	69020	12	..... 69009	4.00	062577	51887	6	69011	3.75
062561	121485	11	..... 69009	3.75	062578	69018	5	69011	2.65
062562	121486	10	..... 69009	3.50	062579	121469	4	69011	2.50
062563	121487	9	..... 69009	3.00	062580	69019	3	69011	1.80
062564	69021	8	..... 69009	2.60	062581	121470	2	69011	1.60
062565	121488	7	..... 69009	2.25	.....	.....	..	.....	.....

FOR TWO TIERS OF INSULATORS

062582	36299	24	49031, 69010, 69011	5.85	062599	36296	12	69009	2.25
062583	121471	22	49031, 69010, 69011	5.75	062600	36297	10	69009	1.75
062584	121472	20	49031, 69010, 69011	5.50	062601	49239	8	69009	1.50
062585	121473	18	49031, 69010, 69011	4.75	062602	36298	6	69009	1.30
062586	36300	16	49031, 69010, 69011	4.25	062603	121479	4	69009	1.20
062587	121474	14	49031, 69010, 69011	4.10	062604	36305	24	69011	6.00
062588	36301	12	49031, 69010, 69011	4.00	062605	121459	22	69011	5.75
062589	36302	10	49031, 69010, 69011	2.75	062606	121460	20	69011	5.50
062590	36303	8	49031, 69010, 69011	2.30	062607	121461	18	69011	4.75
062591	36304	6	49031, 69010, 69011	1.90	062608	36306	16	69011	4.25
062592	121490	4	49031, 69010, 69011	1.75	062609	121462	14	69011	4.10
062593	36294	24	..... 69009	4.25	062610	36307	12	69011	4.00
062594	121475	22	..... 69009	4.00	062611	36308	10	69011	2.75
062595	121476	20	..... 69009	3.75	062612	121463	8	69011	2.65
062596	121477	18	..... 69009	3.50	062613	36309	6	69011	1.80
062597	36295	16	..... 69009	2.75	062614	121464	4	69011	1.80
062598	121478	14	..... 69009	2.50	.....	.....	..	.....	.....

An assortment of ten racks constitutes a standard package.

INSULATORS

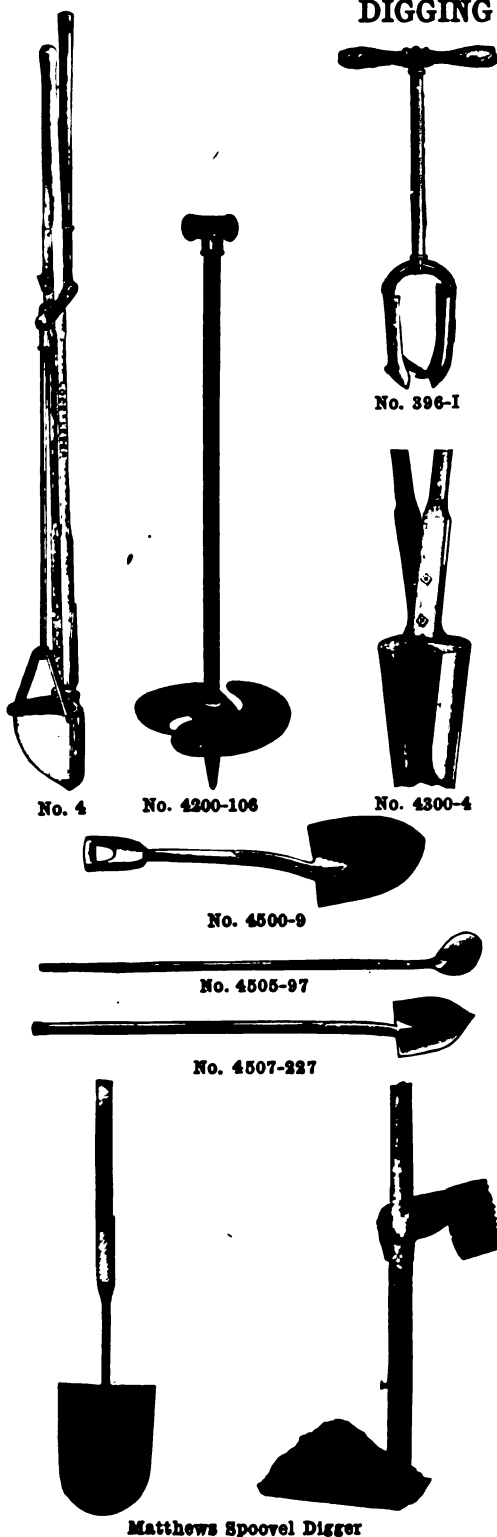
For Insulator Racks, as Listed Above

Trade No.	Mfrs. No.	For Size Cable Inches	Std. Pkg.	Price Each
062615	69009	1½ to 1	100	\$0.15
062616	69010	1 to 2	100	.25
062617	49031	1½ to 1	100	.25
062618	69011	*	100	.30

*No. 69011 is for bus bars up to 2½ x 1 inch.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DIGGING TOOLS



LOCK-LEVER DIGGERS

The Lock-lever is an automatic self-lock, and locks the blade at right angles, so that both hands are used in lifting the ground out of the hole.

Trade No.	Mfrs. No.	Description	Wt. Lbs.	Price Each
052937	4	Digs hole 4 feet deep	14	\$6.50
052938	5	Digs hole 5 feet deep	18	8.00
052939	6	Digs hole 6 feet deep	20	9.00

POST HOLE AUGERS

Trade No.	Mfrs. No.	Diam. Inches	Length of Stem, Feet	Price Each
045260	4200-106	10	6	\$7.00
045261	4200-126	12	6	8.00
045262	4200-146	14	6	9.00
045263	4200-148	14	8	10.00

IWAN'S PATENT POST HOLE AUGERS

045264	396-I	8	4	5.00
045265	396C	10	4	6.00
045266	396E	12	6	16.00
045267	396G	14	6	20.00

EUREKA POST HOLE DIGGERS

Trade No.	Mfrs. No.	Length Feet	Price Each
045258	4300-4	4	\$3.00
045259	4300-7	7	5.50

D HANDLE SHOVELS, ROUND POINT
Size No. 2

Trade No.	Mfrs. No.	Description	Price per Dos.
045272	4500-9	Best grade	\$24.00
045280	4501-9	First grade	19.00

D HANDLE SHOVELS, SQUARE POINT
Size No. 2

045273	4502-9	Best grade	24.00
045281	4503-9	First grade	19.00

POST HOLE SPOONS

Trade No.	Mfrs. No.	Wt., Lbs. per Dos.	Length Feet	Price per Dos.
045274	4505-97	95	7	\$34.75
045275	4505-98	105	8	37.50
045276	4505-99	125	9	41.00

The above spoons have 9-inch straps.

POST HOLE SHOVELS

045277	4507-227	100	7	36.75
045278	4507-228	110	8	39.75
045279	4507-229	115	9	44.25

The above shovels have 22-inch straps. Straight handle shovels, same price as above.

The above shovels and spoons are all fitted with hickory handles.

MATTHEWS SPOOVEL DIGGERS

These diggers combine a spoon and shovel in one tool. Two 5-foot pole holes can be dug in the same time that one could be dug with a spoon and shovel.

No. 1 with 11-inch Blade and 8½-foot Handle

Trade No.	Mfrs. No.	Shipping	Price, Each
		Wt., Lbs.	Less than 6 6 to 12 12 or more
090949	1	11	\$8.00 \$7.50 \$7.00

*No. 2, with 9½-inch Blade and 6-foot Handle

090950	2	9	7.00 6.50 6.00
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Additional spooovel blades, \$3.00 each.

*For small poles, fence posts, gate posts, bill board posts, sign posts, narrow ditches, trenches, etc.

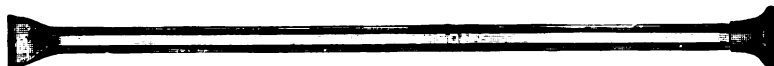
CONSTRUCTION TOOLS

OCTAGONAL STEEL CROW AND DIGGING BARS



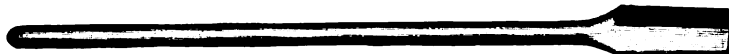
Trade No.	Mfrs. No.	Diam. Inches	Size Feet	Wt. Lbs.	Price Each	Trade No.	Mfrs. No.	Diam. Inches	Size Feet	Wt. Lbs.	Price Each
045306	3700-30	1 1/8	8	30	\$4.25	045309	3700-24	1	8	24	\$3.30
045307	3700-26	1 1/8	7	26	3.90	045310	3700-21	1	7	21	3.00
045308	3700-22	1 1/8	6	22	3.60	045311	3700-18	1	6	18	2.70

OCTAGONAL STEEL TAMPING AND DIGGING BARS



045312	3701-31	1 1/8	8	31	4.50	045315	3701-25	1	8	25	3.80
045313	3701-27	1 1/8	7	27	4.00	045316	3701-22	1	7	22	3.60
045314	3701-23	1 1/8	6	23	3.70	045317	3701-19	1	6	19	3.30

WOODEN HANDLE, IRON SHOD TAMPING BARS



Trade No.	Mfrs. No.	Length Feet	Wt. Lbs.	Price per Doz.	Trade No.	Mfrs. No.	Length Feet	Wt. Lbs.	Price per Doz.
045318	3800-7	7	12 1/2	\$21.00	045319	3800-8	8	13 1/2	\$24.00

DIGGING SPUDS AND TAMPING BARS



Trade No.	Mfrs. No.	Length Feet	Wt. Lbs.	Price per Doz.
045340	3702-9	9	19	\$48.00

ELECTRIC TAMPING BARS



045341	3801-8	8	18 1/2	26.65
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LOY DIGGING TOOLS



052940	3703-16	7	17	37.80
045342	3703-18	8	18	40.80

COMMON CROWBARS



Trade No.	Weight Pounds	Price Each	Trade No.	Weight Pounds	Price Each
052931	10	\$1.20	052934	16	\$1.92
052932	12	1.44	052935	18	2.16
052933	14	1.68	052936	20	2.40

PLAIN PIKES

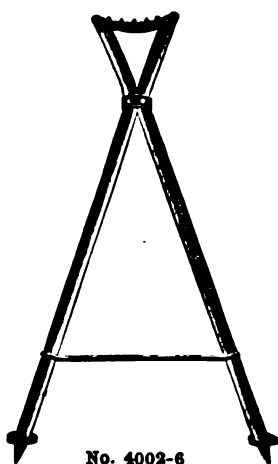


Standard Weight							
Trade No.	Length Feet	Diam. of Handle, In.	Price per Doz.	Trade No.	Length Feet	Diam. of Handle, In.	Price per Doz.
045320	10	1¾	\$13.50	045322	14	1¾	\$17.00
045321	12	1¾	15.00	045323	16	1¾	20.00
Heavy Weight							
045324	10	2⅛	18.00	045327	16	2⅛	26.50
045325	12	2⅛	20.50	045328	18	2⅛	30.00
045326	14	2⅛	23.50	045329	20	2⅛	34.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONSTRUCTION TOOLS

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



METAL POLE SUPPORTS

Jenney Pattern

Trade No.	Mfrs. No.	Length Feet	Price Each
052950	4002-6	6	\$13.50
052951	4002-7	7	14.50
052952	4002-8	8	15.50

Mule Pattern

Trade No.	Mfrs. No.	Length Feet	Price Each
052953	4003-6	6	12.50
052954	4003-7	7	13.50
052955	4003-8	8	14.50

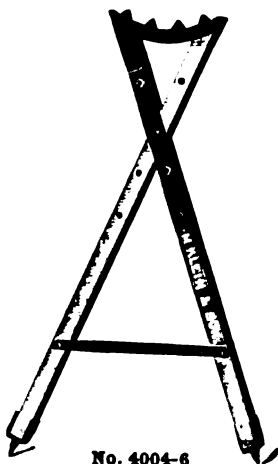
WOOD POLE SUPPORTS

Jenney Pattern

Trade No.	Mfrs. No.	Length Feet	Price Each
045255	4004-6	6	8.00
045256	4004-7	7	9.00
045257	4004-8	8	10.00

Deadman Pattern

Trade No.	Mfrs. No.	Length Feet	Price Each
045343	4000-6	6	5.00
045344	4000-7	7	5.75
045345	4000-8	8	7.00



GUARDED PIKES

Standard Weight

Trade No.	Mfrs. No.	Length Feet	Diam. of Handle, In.	Price per Doz.
045330	4100-10	10	1 3/4	\$24.00
045331	4100-12	12	1 3/4	25.50
045332	4100-14	14	1 3/4	27.00
045333	4100-16	16	1 3/4	30.00

Heavy Weight

Trade No.	Mfrs. No.	Length Feet	Diam. of Handle, In.	Price per Doz.
045334	4101-10	10	2 1/8	27.00
045335	4101-12	12	2 1/8	30.00
045336	4101-14	14	2 1/8	32.00
045337	4101-16	16	2 1/8	34.00
045338	4101-18	18	2 1/8	36.00
045339	4101-20	20	2 1/8	39.00



Guarded Pike

SWIVEL CARRYING HOOKS



No. 3906-4 Swivel Carrying Hook

Trade No.	Mfrs. No.	Ship. Wt., Lbs.	Length of Handle, Ft.	Price per Doz.
045268	3906-4	8	4	\$31.25
045269	3906-5	12	5	35.83
045270	3906-6	14	6	38.75

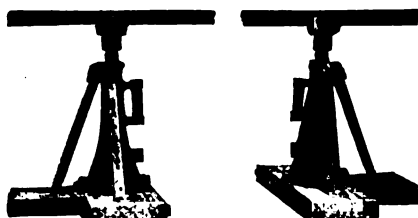
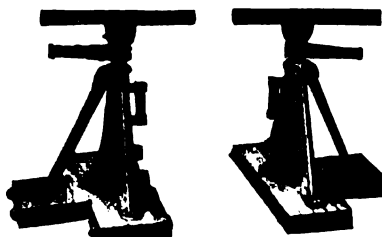


Cant Hook

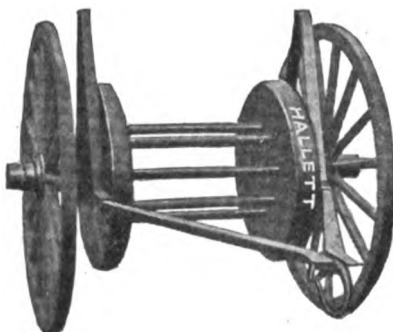
CANT HOOKS

Trade No.	Mfrs. No.	Length Feet	Weight Pounds	Price per Doz.
045346	3903-4 1/2	4 1/2	8	\$24.80

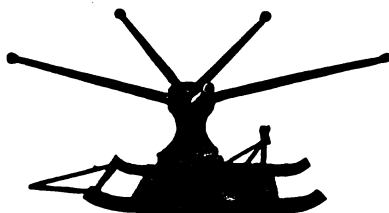
CABLE REEL JACKS, WHEELS AND CAPSTANS

Cable Reel Jacks and Bars
without Ratchet AttachmentsCable Reel Jacks and Bars
with Ratchet Attachments

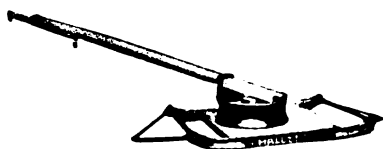
Cable Reel Wheels



Steel Line Cart



Styles A and C Capstan



Telephone Capstan

CABLE REEL JACKS AND BARS

Each set contains two jacks, a 6-foot reel bar and a jack bar.

The jacks are locomotive pattern with oak bases. The reel bars are made of high carbon steel. The outfit will swing a reel of any ordinary size and of any weight.

Trade No.	Description	Price per Set
052335	Jacks, 1 $\frac{3}{4}$ x 16 inches, without bar	\$36.00
052337	Jacks, with 6-foot bar	42.00

For ratchet attachment, add \$11.00.

CABLE REEL WHEELS

Wheel 6 feet high, with a reel bar and tongue if so desired.

052338	Pair of 6-foot wheels with 6-foot reel bar	108.00
052339	One adjustable tongue	16.00
052340	Set complete	124.00

These wheels are also furnished 5, 7, and 8 feet in diameter. Prices on application.

STEEL LINEMEN'S CARTS

Steel line cart for coiling up wire rope by turning the tongue over the cart, it brings the standards against the ground, which will raise the wheels from the ground, thus making the cart immovable while coiling or uncoiling the wire rope.

Made either with a steel or oak reel.

052341	With oak reel	87.50
052342	With steel reel	87.50

CAPSTANS

Styles A and C capstan are mounted on an iron frame and fitted with a raised link, which brings the holding line on the level with the pull.

Trade No.	Style	Description	Price Each
052344	A	For all ordinary use, with five hand spikes	\$65.00
052345	A	Made with horse power attachments, complete, with lever and singletree	75.00
052346	C	For the heaviest construction jobs, complete, with five hand spikes	75.00
052347	C	Made with horse power attachment, complete, with lever and singletree	85.00

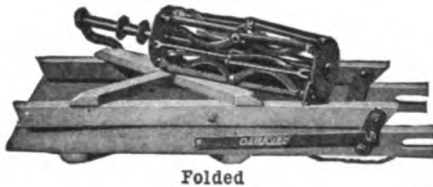
HORSE LEVER TELEPHONE CAPSTANS

The horse lever telephone capstan is a light, high speed tool, keeps the ropes down close to the ground and has no complicated back gear to get out of order.

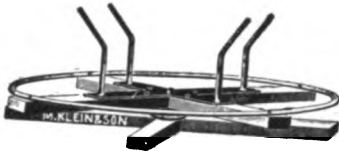
052348	..	With a 2-foot drum	65.00
052349	..	With a 2-foot 6-inch drum	70.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LINEMEN'S REELS



Folded



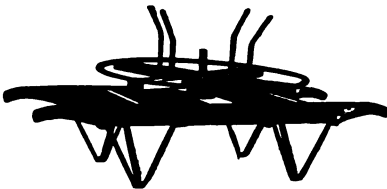
Common Pay-Out Reel



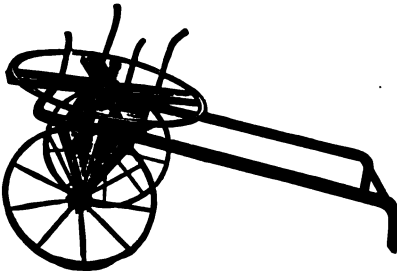
Folding Take-Up Reel



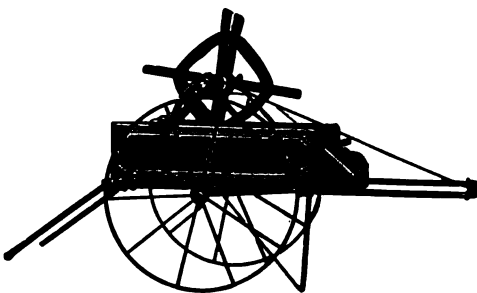
Take-Up Reel



Barrow Reel



Wasson Reel



Linemen's Cart

FOLDING TAKE-UP REELS

An invention that will absolutely save its cost on the first big job attempted. It makes a neater coil and throws it off in one fourth the time taken by the old reel. The reel part collapses and automatically throws off the coil at the same time and in an instant is ready for another coil. The frame, made of heavy hardwood, is strong and heavily re-enforced throughout and folds up like a hinge.

Trade No.	Description	Wt. Lbs.	Price Each
53475	For 12-inch coil	42	\$8.35
53476	For 18-inch coil	42	8.60
53477	For 21-inch coil	42	8.75
53478	For 24-inch coil	42	9.00

TAKE-UP REELS

Trade No.	Mfra. No.	Description	Wt. Lbs.	Price Each
045282	387	For 18-inch coil	62	\$24.00
045283	387A	For 21-inch coil	65	24.00

COMMON PAY-OUT REELS

Trade No.	Mfra. No.	Wt. Lbs.	Price Each
044851	386A	40	\$10.00

Complete with guard irons.

BARROW REELS

Trade No.	Mfra. No.	Description	Price Each
044862	385A	Light weight.....	\$16.00
044863	385B	Heavy weight....	20.00

WASSON REELS

Made of steel, is strong, light, and always ready. Carries tools, pins, insulators and other material. Has brake to retain wire; can be anchored to ground.

044864	513	Single reel and cart	24.00
094722	514	Double reel and cart	40.00

LINEMEN'S CARTS

045284	512	Complete with reel	40.00
045286	512A	Without reel... ..	30.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

GEM WIRE AND CABLE GRIPS

The Gem Wire or Cable Grip, as illustrated, is the result of long experience in underground cable construction. It is absolutely indispensable as a gripping device preparatory to pulling in cable. The flaring ends form a funnel shaped entrance for the cable end, which renders its application instantaneous. It can be slipped on in one second.

The ability of the Gem Wire Grip is not limited to a single wire, or to lead covered cable alone. It can be used to pull in a three-wire feeder, or a number of wires, such as would be required on a signal system. Not a single inch of wire or lead covered cable is destroyed in the pulling operation, due to the application of the grip.

SINGLE-EYE GRIPS



The single-eye type is used for underground purposes, where a simple pulling operation is to be done, and for aerial wires or cables that cross pole tops.

In using the single-eye grips where there are extra long pulls, the 36 and 48-inch grips are recommended.

Size Inches	LENGTH, 24 INCHES		LENGTH, 36 INCHES		LENGTH, 48 INCHES	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
*1½	078783	\$0.60	.....	.....	.....	.....
1	078784	1.80	078787	2.40	078790	3.00
2	078785	2.50	078788	3.50	078791	4.50
3	078786	3.00	078789	4.20	078792	5.40

*Not made longer than 24 inches, as it is used for pulling 10-pair lead covered cable, 14 duplex and bell wires bunched together. Leather collars, 65 cents additional.

DOUBLE-EYE GRIPS

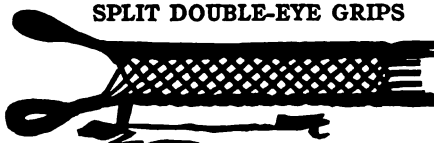


With this type a hold can be taken at any point when slipped on from the end, and releasing the grip by pulling the end opposite the eye or funnel shaped end, it can be slid along to the next desired point of purchase, or hold.

It is especially used for pulling out cable already installed and tailing in.

Trade No.	Size Inches	Length Inches	Price Each
078793	1	24	\$3.40
078794	2	24	5.00
078795	3	24	5.50

SPLIT DOUBLE-EYE GRIPS



Grip Open



Grip Applied

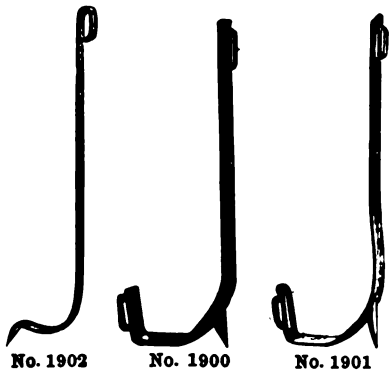
This type can be laced on at any point desired, and is designed for use where the grip cannot be applied at the end and a hold is desired at a point intermediate.

Trade No.	Size Inches	Length Inches	Price Each
078796	1	24	\$5.25
078797	2	24	5.60
078798	3	24	6.20

For extra heavy weight grips, add 20 per cent to list prices given above.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CLIMBERS AND BELTS



No. 1902

No. 1900

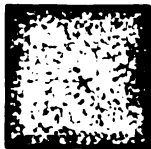
No. 1901



No. 5300-1



No. 5301-1



No. 8200



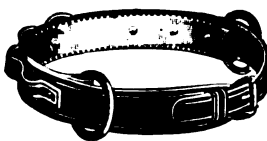
No. 5106



No. 5111



No. 5204



No. 5205

WESTERN CLIMBERS

Trade No.	Mfrs. No.	Description	Price per Pair
046097	1902	Without straps.....	\$3.50

Made in lengths from 15 to 18 inches by 1-inch variations.

EASTERN CLIMBERS

Riveted Loop			
046099	1900	Without straps.....	4.50
046101	1903	Light weight, without straps	4.50
Punched Loop			
046103	1901	Without straps.....	4.00

Nos. 1900 and 1901 made in lengths from 15 to 18 inches by 1/2-inch variations. Larger sizes furnished on special order.

No. 1903 made in lengths from 15 to 16 1/2 inches by 1/2-inch variations.

STRAPS FOR WESTERN CLIMBERS

Trade No.	Mfrs. No.	Description	Price per Set
046105	5300-1	Set consists of two upper and two lower straps	\$2.50

STRAPS FOR EASTERN CLIMBERS

046106	5301-1	Set consists of two upper straps, with 4x4 plain leather pads and two lower straps.....	2.50
046107	5301-2	With sheep-lined pads....	3.00
046108	5301-3	With felt-lined pads.....	3.00

PADS FOR EASTERN CLIMBERS

Trade No.	Mfrs. No.	Description	Price per Pair
046100	8202	Plain leather.....	\$0.80
046109	8200	Sheep-lined.....	1.20
046110	8201	Felt-lined.....	1.20

LEATHER POUCHES

Trade No.	Mfrs. No.	Description	Price Each
046111	5106	Weight, 6 ounces.....	\$1.10

Has loops for belt.

State for what size belt pouch is wanted.

HIP POCKET TOOL CASES

Trade No.	Mfrs. No.	Size Inches	Price Each
046115	5111	5x7	\$1.10

TOOL BELTS

Trade No.	Mfrs. No.	Description	Price Each
046113	5202	2 1/4-inch, with rings for safety strap.....	\$2.60
046116	5204	3 1/2 inches wide.....	3.20
046117	5205	2 1/4 inches wide, double back.....	3.50

When ordering belts, state if wanted for 38, 40, 42, 44 or 46-inch waist. Larger sizes furnished at additional prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LINEMEN'S TOOL BELTS AND BAGS



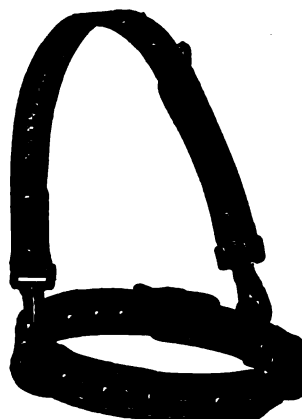
No. 5303-1



No. 5308



No. 5101-15



No. 5206-1A

JACK COME-ALONG OR VISE STRAPS

Trade No.	Mfrs. No.	Description	Price Each
055930	5303- 1	Size 1¼ in. x 5½ ft.	\$2.00

COMBINED SAFETY AND JACK STRAPS

055933	5308	Size, 1¾ inches.	3.50
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BELT AND SAFETY STRAPS

The safety strap is 1¾ inches wide, 6 feet long, and provided with strong snap at each end. Strap may be shortened or lengthened by adjusting buckle.

055935	5206- 1A	Belt and safety strap....	5.50
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State if tool belt is wanted for 38, 40, 42 or 44-inch waist.

SAFETY STRAPS

055936	5250	1½ in. x 6 ft., imperial snaps....	3.00
055931	5251	1½ in. x 6½ ft., roller snaps	3.50
055932	5253	2 in. x 6 ft., roller snaps.	3.80
055934	5252	1½ in. x 6½ ft., swivel roller snaps	4.00

INSPECTORS' BLACK LEATHER TOOL BAGS

055937	5101-15	15x12 inches.	8.00
055938	5101-20	20x12 inches.	10.50

BLACK LEATHER CARBON BAGS

055939	5104- 9½	9½x8x4 in., riveted.	4.00
055940	5104-13½	13½x17½x4½ in., sewed.	4.50

INSPECTORS' HARNESS LEATHER TOOL BAGS

Made entirely of black harness leather, steel stud-shoulder straps combined with pad and hand strap.

055941	5108-20	Size, 8x20 inches.	10.50
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LINEMEN'S CANVAS TOOL BAGS, LEATHER BOTTOM

Trade No.	Mfrs. No.	Size Inches.	Price Each
055942	5102-12	12	\$4.50
055943	5102-16	16	5.20
055944	5102-18	18	5.40
055945	5102-20	20	5.80
055946	5102-24	24	6.50
055952	Lock extra, net. ....		.30
055953	Shoulder strap, net. ....		.50
055954	With clasps, net. ....		.50



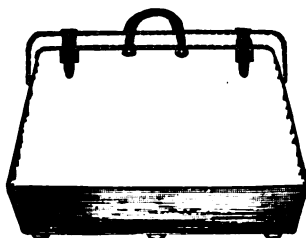
No. 5104-9½



No. 5104-13½



No. 5108-20



No. 5102-12

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

KENNEDY ALL-STEEL TOOL KITS

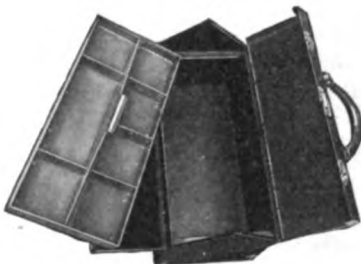
For Electricians, Mechanics, Railroad Men, Construction Men, Repair Men, Installation Men, Line Men, Meter Men, etc.



Standard Kit



Standard Kit Open



Standard Kit with Tray

Electrician's Case
with Tray

Kennedy Kits are made of prepared steel, but are no heavier than other bags and tool kits.

They are built to stand the wear and tear of hardest usage. Re-enforced throughout, fitted with brass side catches, strong two-tumbler Yale locks, steel leather-covered handles and riveted so that they cannot pull out. Protected by solid brass corner irons.

Finished in a three-coated baked enamel of brown or black, they present an appearance neat and attractive and look like leather traveling bags. Invisible hinges give smooth carrying surface.

Material, special construction and overlapping features make Kennedy Kits wearproof, waterproof and weatherproof. Kennedy Kits are also thief-proof, because they can be locked, chained and cannot be cut open.

Heavy material can be carried without buckling or changing shape of bag. Tray very handy for carrying drills, bits, screws, small parts, etc. Tray, 1 3/4 inches deep.

Double formed, double seamed, electrically welded and re-enforced.

STANDARD KITS
(PATENTS PENDING)

Trade No.	Style XT			Net Wt. Lbs.	Price Each
	Length	Width	Height		
86696	14	7	9	5¼	\$3.85
Style DDT					
86687	16	9	11	6¼	4.10
Style DT					
86688	18	10	13	7¾	4.35
Style ET					
86689	20	11	13	8	4.60
Style FT					
86690	22	11	13	11¼	4.85

Furnished without tray if desired, at 35 cents less, each size.

ELECTRICIANS' CASES

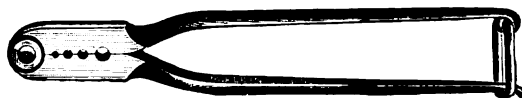
These cases are designed for and meet all the requirements of an electrician's tool kit. They have the necessary length, together with compactness and proper spacing for carrying the average equipment. They have a divided spacing at one end for blowtorch and ledge rests at top of grip for tray to carry drills, bits, small parts, etc., if desired. They have ample space at bottom for heavy tools, material, etc. In addition to leather handle, they are fitted with loops at each end for straps to pass under the case and over the shoulder for carrying heavy loads in this manner if desired. Furnished without tray, at 35 cents less, each size.

Style ENT					
86692	19	8	9	7 1/4	4.00
Style EOT					
86694	21	8	9	8 1/2	4.25
Style EHT					
108213	24 1/2	6	9	8 1/4	4.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SPLICING CLAMPS

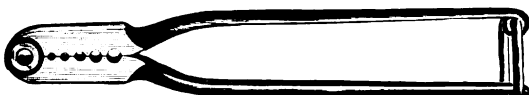
Polished Heads and Black Handles



No. 102-1

Trade No.	Mfrs. No.	Length Inches	Price Each
045028	102-1	7	\$2.70

Baby pattern. For Nos. 10, 12, 14 and 16 copper wire; Nos. 12, 14, 16 and 18 iron wire.



No. 102-3

045029	102-3	10½	3.40
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For Nos. 6, 8, 10, 12 and 14 iron wire; Nos. 4, 6, 8, 10 and 12 copper wire.



No. 102-2

045030	102-2	10½	3.20
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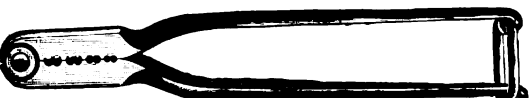
For Nos. 2, 4, 6 and 12 copper wire; Nos. 4, 6, 8 and 14 iron wire.



No. 102-4

045033	102-4	10¾	3.20
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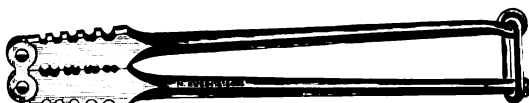
For Nos. 0, 2 and 4 copper wire.



Nos. 105-6 and 105-7

045035	105-6	10½	3.20
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For Nos. 8, 10, 12 and 14 B. & S. gauge copper sleeves; Nos. 10, 12, 14 and 16 B. W. gauge iron sleeves.



Nos. 132-3 and 132-4

045036	105-7	10½	3.20
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Same as above, for Nos. 6, 8, 10 and 12 B. & S. gauge copper sleeves; Nos. 8, 10, 12 and 14 B. W. gauge iron sleeves.



No. 132-2

044838	132-3	10¾	3.60
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Five holes for Nos. 6, 8, 10, 12 and 14 iron wire; Nos. 4, 6, 8, 10 and 12 copper wire; Nos. 8, 10, 12 and 14 B. & S. gauge copper sleeves; Nos. 10, 12, 14 and 16 B. W. gauge iron sleeves.



No. 132-5

044839	132-4	10¾	3.60
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Five holes for Nos. 6, 8, 10, 12 and 14 iron wire; Nos. 4, 6, 8, 10 and 12 copper wire; Nos. 6, 8, 10 and 12 B. & S. gauge copper sleeves; Nos. 8, 10, 12 and 14 B. W. gauge iron sleeves.

044840	132-2	9	3.50
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Four holes for Nos. 8, 10, 12 and 14 iron wire; Nos. 6, 8, 10 and 12 copper wire; Nos. 10, 12 and 14 B. & S. gauge copper sleeves; Nos. 12, 14 and 16 B. W. gauge iron sleeves.

094709	132-5	11¾	4.00
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For Nos. 6, 8, 9, 10, 12, 14 and 16 iron wire, or Nos. 4, 6, 8, 9, 10, 11, 12 and 14 copper wire; five double holes for twisting sleeve joints; Nos. 6, 8, 9, 10, 11, 12 and 14 B. & S. gauge copper sleeves, or Nos. 8, 9, 10, 11, 12, 14 and 16 B. W. gauge iron sleeves.

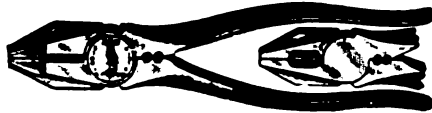
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 201-5 to No. 201-10



No. 200-5 to No. 200-10



No. 212-7 to No. 212-9



No. 213-7 to No. 213-9



No. 233-7



No. 202-5



No. 237-5



No. 235-5



No. 231-15 1/2

PLIERS

KLEIN'S SIDE CUTTING PLIERS

Trade No.	Mfrs. No.	Length Inches	Price Each
044901	201- 5	5	\$2.00
044902	201- 6	6	2.60
044903	201- 7	7	3.10
044904	201- 8	8	3.70
044905	201- 9	9	4.20
044906	201-10	10	5.60
044907	200- 5	5	2.00
044908	200- 6	6	2.60
044909	200- 7	7	3.10
044910	200- 8	8	3.70
044911	200- 9	9	4.20
044912	200-10	10	5.60

With Sleeve Twister

Trade No.	Mfrs. No.	Length Inches	Price Each
044913	212-7	7	\$3.50
044914	212-8	8	4.00
044915	212-9	9	4.50
044916	213-7	7	3.50
044917	213-8	8	4.00
044918	213-9	9	4.50

COMBINATION SIDE CUTTING PLIERS

Without Wire Splicer

Trade No.	Mfrs. No.	Length Inches	Price Each
121618	233-7	7	\$3.70
121619	233-8	8	4.30

OBLIQUE CUTTING PLIERS

Trade No.	Mfrs. No.	Length Inches	Price Each
045120	202-5	5	\$2.00
045121	202-6	6	2.20

OBLIQUE INSULATION CUTTING PLIERS

Insulation stripping feature is in the form of a square notch in the cutting edges of the knives through which the end of the wire is pulled. For Nos. 14 to 18 wire.

Trade No.	Mfrs. No.	Length Inches	Price Each
121620	237-5	5	\$2.30

DIAGONAL PLIERS

Trade No.	Mfrs. No.	Length Inches	Price Each
121621	235-5	5	\$3.10
121622	235-5 1/2	5 1/2	3.10

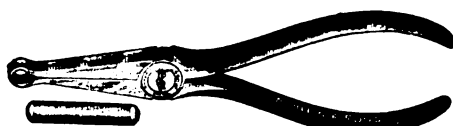
OBLIQUE CUTTING PLIERS—LONG HANDLES

Especially adapted for switchboard work.

Trade No.	Mfrs. No.	Length Inches	Price Each
121623	231-15 1/2	15 1/2	\$4.40

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PLIERS



No. 313-5

HEAT COIL PLIERS

Trade No.	Mfrs. No.	Length Inches	Price Each
107930	313-5	5	\$1.90



No. 305-5

LONG FLAT NOSE PLIERS

Trade No.	Mfrs. No.	Length Inches	Price Each
056977	305-5	5	\$1.60
044727	305-6	6	1.70
044728	305-7	7	1.90



No. 206-5

LONG FLAT NOSE SIDE CUTTING PLIERS

Trade No.	Mfrs. No.	Length Inches	Price Each
057907	206-5	5	\$1.70
044729	206-6	6	1.80
044730	206-7	7	2.00



No. 304-5

LONG DUCKBILL PLIERS

Trade No.	Mfrs. No.	Length Inches	Price Each
056978	304-5	5	\$1.60
044731	304-6	6	1.70
044732	304-7	7	1.90



No. 205-5

LONG DUCKBILL, SIDE CUTTING PLIERS

Trade No.	Mfrs. No.	Length Inches	Price Each
057908	205-5	5	\$1.70
044733	205-6	6	1.80
044734	205-7	7	2.00



No. 230-5

OVAL NOSE MILLINERY PLIERS

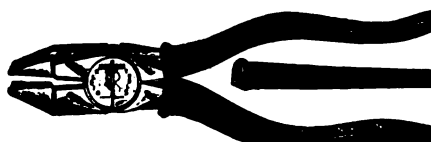
Trade No.	Mfrs. No.	Length Inches	Price Each
107925	230-5	5	\$1.90



No. 229-5

SQUARE NOSE MILLINERY PLIERS

Trade No.	Mfrs. No.	Length Inches	Price Each
107926	229-5	5	\$2.00



No. 2400-6

RUBBER INSULATING SLEEVES

Trade No.	Mfrs. No.	For Pliers Size, in.	Price, per Pair
045146	2400-6	6	\$1.00
045147	2400-7	7	1.00
045148	2400-8	8	1.00



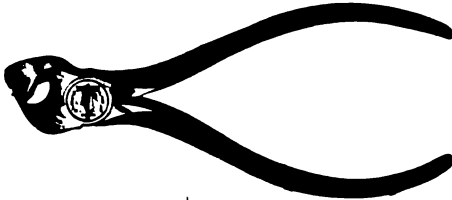
No. 5017

No. 5112

LEATHER PLIER POCKETS

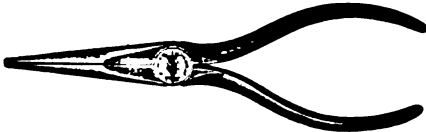
Trade No.	Mfrs. No.	Description	Price Each
045149	5017	{ To slip on } { tool belt }	\$1.00
045150	5112		1.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PLIERS**END CUTTING PLIERS**

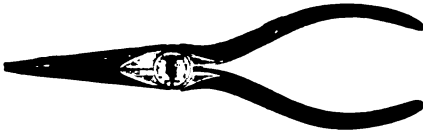
No. 232-5

Trade No.	Mfrs. No.	Length Inches	Price Each
121601	232-5	5	\$3.10
121602	232-5½	5½	3.10

LONG NOSE PLIERS, WITHOUT CUTTERS

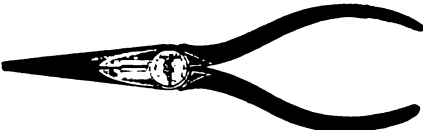
No. 301-5

Trade No.	Mfrs. No.	Length Inches	Price Each
056975	301-5	5	\$1.60
044720	301-6	6	1.70
044721	301-7	7	1.90

LONG NEEDLE NOSE PLIERS

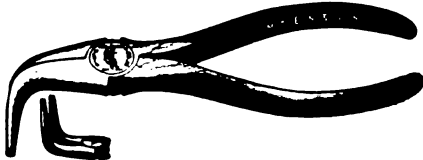
No. 303-5

Trade No.	Mfrs. No.	Length Inches	Price Each
107927	303-5	5	\$1.60
107928	303-6	6	1.70
107929	303-7	7	1.90

LONG NOSE SIDE CUTTING PLIERS

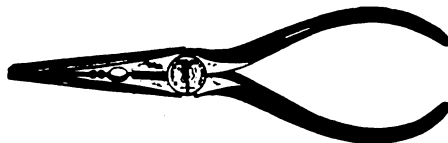
No. 203-5

Trade No.	Mfrs. No.	Length Inches	Price Each
056976	203-5	5	\$1.70
044722	203-6	6	1.80
044723	203-7	7	2.00

LONG CURVED NOSE PLIERS

No. 302-6

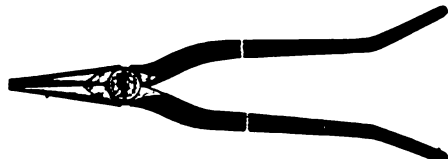
Trade No.	Mfrs. No.	Length Inches	Price Each
044726	302-6	6	\$1.90

LONG NOSE SPLICING AND SIDE CUTTING PLIERS

No. 204-6

For splicing No. 14 B. & S. copper wire.

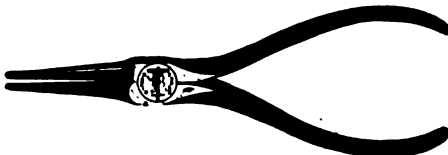
Trade No.	Mfrs. No.	Length Inches	Price Each
121603	204-6	6	\$2.00
121604	204-7	7	2.20

LONG NOSE PLIERS—LONG HANDLES

No. 301-16

Especially adapted for switchboard work.

Trade No.	Mfrs. No.	Length Inches	Price Each
121605	301-16	16	\$3.00

ROUND NOSE PLIERS

No. 312-5

Trade No.	Mfrs. No.	Length Inches	Price Each
121606	312-5	5	\$1.80
121607	312-5½	5½	1.80

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

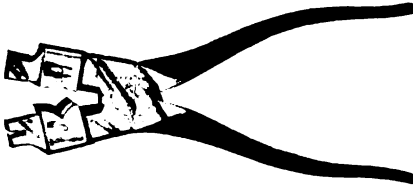
PLIERS AND WIRE CUTTERS



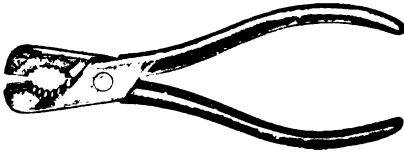
No. 50-4.



No. 3006



Goodridge Pliers



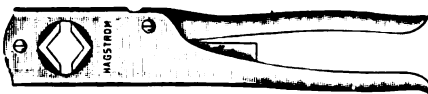
No. 404-6



No. 401-7



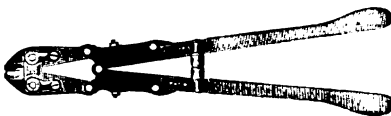
No. 631



No. 636



No. 045151



No. 063619

UTICA PLIERS

Trade No.	Mfrs. No.	Length Inches	Price Each
044919	50-4	4	\$1.10
044920	50-5	5	1.20
044921	50-6	6	1.30
044922	50-7	7	1.60
044923	50-8	8	1.80

MICA INSULATED HANDLE PLIERS

044933	3006	6	4.00
044934	3007	7	5.00
044935	3008	8	6.00

Insulating covering will not flake off.
Tested to insulate against 2500 volts.

GOODRIDGE WIRE SKINNING PLIERS

This tool combines a pair of side cutting pliers and a tool for stripping the insulation from No. 14 B. & S. single and duplex wire and all sizes of lamp cord.

42651	227-8	8	9.30
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SWEDISH OBLIQUE CUTTING PLIERS

045122	3167B	4	1.70
045123	3167C	4½	1.80
045124	3167	5	2.00
045125	3167A	5½	2.20
045126	3168	6	2.50

BURNER PLIERS

121594	404-6	6	1.10
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GAS PLIERS

Trade No.	Mfrs. No.	Length Inches	Finish	Price Each
121593	401-7	7	Plain	\$1.20
045137	401-8	8	Plain	1.40
045138	401-10	10	Plain	1.60
045139	401-12	12	Plain	1.80

COMBINATION GAS PLIERS

045140	631	6	Plain	.80
045141	632	6	Nickel	.90
045142	633A	8	Plain	1.00
045143	633	8	Nickel	1.10
045144	634A	10	Plain	1.10
045145	634	10	Nickel	1.30

TUBE AND CARBON CUTTERS

The adjustable porcelain tube cutter is adapted for severing all the different sizes of porcelain tubes commonly used in ordinary construction work. Weight, 14 ounces.

Adjustable

018840	636	Nickel-plated	5.00
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Non-adjustable

The non-adjustable porcelain tube cutter is the same as the above, with the exception that it will cut only one size porcelain tubes. In ordering, specify size of tube. Can be made to cut ¾, ¾, ½ or ⅜-inch tube.

018841	636A	Nickel-plated	3.00
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"NEW EASY" WIRE CUTTERS

Trade No.	Mfrs. No.	Length Inches	Cuts Inches	Price Each
045151	1	24½	¾	\$5.00
045152	2	30	1½	7.00
045153	3	36	5/8	9.00

BOSTON WIRE CUTTERS

With Insulated Handles

044924	0	18½	5/8	5.50
063619	1	24½	¾	6.50
063620	2	30½	1½	9.00
063621	3	36¼	1¼	12.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

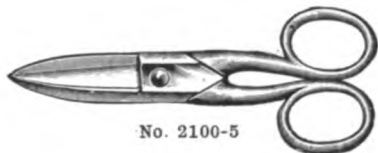
ELECTRICIANS' TOOLS



No. 2300-10



No. 2301-10



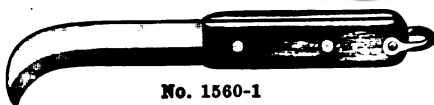
No. 2100-5



No. 82



No. 49



No. 1560-1



No. 1515-1



No. 1550-2



No. 402C



No. 402B



No. 402A



No. 719



No. 720

P. & G. WIRE PEELERS

Skin or split any kind of insulated wire, including weatherproof, rubber covered, cotton covered, braided, lead covered, single or duplex wires, lamp cord, etc. Illustration is one third actual size. Weight, 3½ ounces.

Trade No.	Mfrs. No.	Price Each
095074	2300-10	\$1.50

PERRY WIRE PEELERS

Trade No.	Mfrs. No.	Description	Price Each
045162	2301-10	Will strip wire to No. 12	\$1.00

ELECTRICIANS' SCISSORS

045163	2100-5	5 inches long, N.P.	1.00
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ELECTRICIANS' SHEARS

095076	82	7 in. long, 2-in. blade	1.00
045164	49	12¾ in. long, 3-in. blade	1.50
045165	48	14 in. long, 3½-in. blade	2.00

CABLE STRIPPERS

045170	1560-1	For insulated wire	2.30
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CABLE SPLITTERS

045171	1515-1	For lead cable. . .	2.00
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ELECTRICIANS' KNIVES

045166	1550-1	Single blade	1.00
045167	1550-2	Double blade	1.50

NOVELTY POCKETKNIVES

Blades slide up into handle, closing perfectly. Can be opened with one hand.

045168	402C	Length, open, 5½ inches	1.50
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NOVELTY SCREWDRIVERS

045169	402B	Close in same manner as Novelty Pocketknife . . .	1.50
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NOVELTY SCREWDRIVER KNIVES

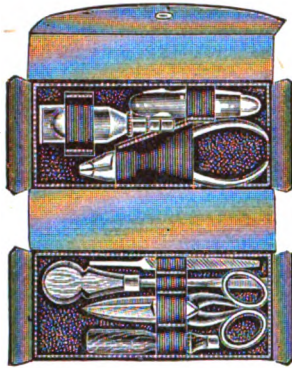
095075	402A	Single blade	1.50
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WIRE TWEEZERS

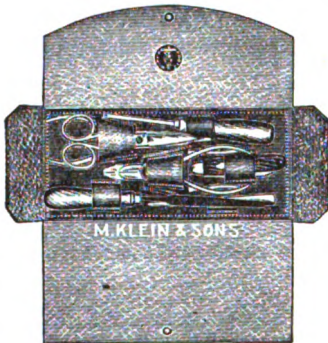
045172	719	4½ in. long, needle point, nickel-plated60
045173	720	4½ in. long, blunt point, nickel-plated60

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ELECTRICIANS' TOOL KITS



No. 403D



No. 1301-2



No. 1304-2



No. 702U

Nos. 403D AND 403E

This outfit has a genuine leather case. It will be observed that the tools are arranged in two sections, so that when the case is closed one section is over the other. This arrangement makes a somewhat more compact kit, measuring $1\frac{3}{4} \times 3 \times 6\frac{1}{2}$ inches; when closed it is held by a metal clasp.

Trade No.	Mfrs. No.	Size of Leather Case, Inches	Price Each
045156	403D	With tools, $3 \times 6\frac{1}{2}$	\$8.00
045157	403E	Without tools, $3 \times 6\frac{1}{2}$	3.00

Contains the following tools: 1 electrician's knife, 1 oil can, 1 pair nickel-plated 5-inch pliers, 1 file, 1 pair electrician's shears, 1 screwdriver and 1 pair of tweezers. Case furnished either russet or black color.

Nos. 403A AND 403C

Genuine leather case, similar to No. 1301-2. Contains a selection of tools such as have been found particularly desirable by electricians and wiremen on switchboard and telephone work. Kit has a genuine leather case, of convenient pocketbook style, with firm metallic clasp, and measures $4\frac{1}{2} \times 9$ inches.

045158	403A	With tools, $4\frac{1}{2} \times 9$	8.00
045159	403C	Without tools, $4\frac{1}{2} \times 9$	3.00

Contains the following tools: 1 electrician's knife, 1 oil can, 1 pair nickel-plated 5-inch pliers, 1 file, 1 pair electrician's shears, 1 screwdriver and 1 pair of tweezers.

Case furnished either russet or black color.

Nos. 1301-2 AND 1301-1

Genuine leather case. It is of convenient pocketbook style, with firm metallic clasp, and measures 4×9 inches.

045160	1301-2	With tools, 4×9	12.00
045161	1301-1	Without tools, 4×9	3.00

Contains one double-blade electrician's knife, one 5-inch side cutting pliers, one 5-inch oblique pliers, one 6-inch long nose side cutting pliers, one screwdriver, one pair 5-inch nickel-plated snips, 1 pair of tweezers, 1 file, and handle.

NOTE.—The pliers are plain black finish; if nickel-plated pliers are wanted, add 25 cents net, each, for plating.

Case furnished either russet or black color.

No. 1304-2

Contains all the necessary tools for electrical construction or repair work, and each is securely held in place. Genuine leather case.

095936	1304-2	With tools	10.00
095937	1304-1	Without tools	3.00

The case is 8 inches long, $3\frac{1}{2}$ inches wide and 2 inches high when closed, containing seven tools, as follows: 7-inch special side cutting pliers, hand-forged, with knives of guaranteed quality; 5-inch nickel-plated scissors, double-bladed knife screwdriver and wire scraper combined, 3-inch half-round mill file and handle, $2\frac{1}{2}$ -inch screwdriver, $3\frac{1}{2}$ -inch nickel-plated tweezers and 2-foot four-fold boxwood rule.

INSPECTORS' POCKET KNIFE KITS

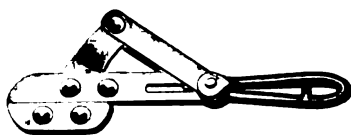
Any tool firmly attached to the pocket knife, as indicated by the arrow, in 1 second.

095935	702U	With tools	4.50
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Size, $4\frac{1}{4}$ inches long, $3\frac{1}{4}$ inches wide and $\frac{3}{4}$ of an inch thick. Contains 1 pocketknife $3\frac{3}{8}$ inches long, 1 reamer $3\frac{1}{2}$ inches long, 1 file 4 inches long, 1 saw 4 inches long, 1 chisel $3\frac{5}{8}$ inches long and 1 screwdriver $3\frac{3}{4}$ inches long.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

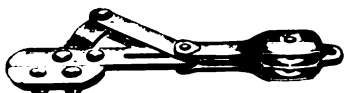
LINEMEN'S GRIPS



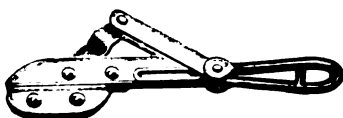
No. 1614-20



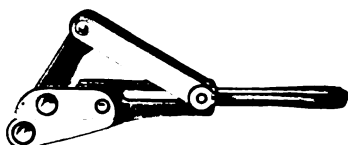
No. 1704-20



No. 1616-20



No. 1615-20



No. 1613-20



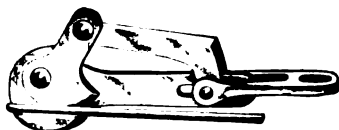
No. 1612-20



No. 1611-10



No. 1610-10



No. 1605-10

BUFFALO GRIPS

Trade No.	Mfrs. No.	For Use with	Price Each
044801	1614-20	No. 6 wire and smaller	\$2.50
044802	1614-30	No. 0 wire and smaller	4.00
044803	1614-40	No. 0000 and smaller	6.00

BUFFALO GRIPS, WITH PULLEYS

044804	1616-20	No. 6 wire and smaller	3.00
044805	1616-30	No. 0 wire and smaller	4.50
044806	1616-40	No. 0000 and smaller	6.50

Pulleys for $\frac{3}{8}$ -inch rope.

BUFFALO GRIPS, FOR INSULATED WIRE

044807	1615-20	No. 4, .52-in. opening	4.00
044808	1617-20	With pulley	4.50
044809	1615-30	No. 5, .68-in. opening	5.00
044810	1617-30	With pulley	5.50

BUFFALO LINEMEN'S TOOLS

Single Purchase			
044811	1704-20	No. 6 wire and smaller	5.00
044812	1704-30	No. 0 wire and smaller	6.50
044813	1705-20	For insulated wire	6.50

CHICAGO GRIPS

Galvanized			
044814	1613-20	No. 10 wire and smaller	4.50
044815	1613-30	No. 6 wire and smaller	5.00
044816	1613-40	No. 0 wire and smaller	8.00
044817	1613-50	No. 0000 wire and smaller	12.00

CHICAGO GRIPS, WITH PULLEYS

044818	1612-20	No. 10 wire and smaller	5.50
044819	1612-30	No. 6 wire and smaller	6.00
044820	1612-40	No. 0 wire and smaller	9.00
044821	1612-50	No. 0000 wire and smaller	13.00

CHICAGO GRIPS, FOR INSULATED WIRE

044834	1611-10	No. 10 wire and smaller	7.00
044835	1610-10	With pulley	9.00
044822	1611-20	No. 4 wire and smaller	8.00
044823	1610-20	With pulley	10.00
044824	1611-30	No. 00 wire and smaller	9.00
044825	1610-30	With pulley	11.00
044836	1611-40	No. 0000 wire and smaller	12.00
044837	1610-40	With pulley	13.00

CHICAGO LINEMEN'S TOOLS

Single Purchase			
044826	1700-20	No. 10 wire and smaller	10.30
044827	1700-30	No. 6 wire and smaller	10.50
044828	1700-40	No. 0 wire and smaller	13.10
Double Purchase			
044829	1700-50	No. 10 wire and smaller	11.80
044830	1700-60	No. 6 wire and smaller	12.00
044831	1700-70	No. 0 wire and smaller	14.60

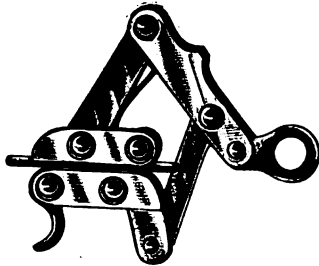
STYLE A CLAMPS

044832	1605-10	No. 8 wire and finer; polished brass	4.00
Body and draw parts are bronze. Dog is tool steel, hardened.			
044833	1605-20	$\frac{1}{2}$ -in. wire and finer; galvanized steel	5.50

Body and draw parts are forged steel. Dog is tool steel hardened. Galvanized finish.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

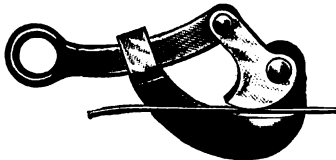
LINEMEN'S TOOLS



No. 1602-10



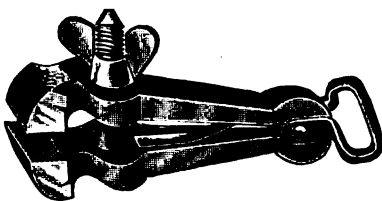
No. 1618-30



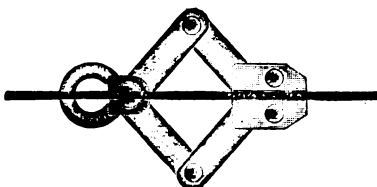
No. 1604-10



No. 1609-20



No. 375



No. 063614

AMERICAN GRIPS

Trade No.	Mfrs. No.	Description	Price Each
045001	1602-10	For No. 6 wire and smaller, galvanized	\$3.50
045002	1602-20	For No. 0 wire and smaller, galvanized	5.00

SAMSON WEDGE GRIPS

For Messenger Wire

050276	1618-20	For $\frac{3}{8}$ to $\frac{3}{4}$ -inch	10.00
050277	1618-30	For $\frac{1}{4}$ to $\frac{1}{2}$ -inch	11.00
050278	1618-40	For $\frac{5}{8}$ to $\frac{1}{2}$ -inch	12.00

For Trolley Wire

050279	1619-20	For 6 to 00 B. & S.	10.00
050280	1619-30	For 2 to 0000 B. & S.	11.00
045007	1619-40	For $\frac{5}{8}$ -inch and smaller....	12.00

HAVEN'S STEEL GRIPS

045005	1604-10	For No. 8 wire and finer, galvanized	3.00
045006	1604-20	For $\frac{1}{2}$ -inch wire and finer, galvanized	4.50

Very efficient for all-round work.

IMPROVED HAVEN'S GRIPS

045008	1625-20	For plain or stranded wire from No. 6 to $\frac{3}{4}$ -in. diam...	7.00
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COME-ALONG ECCENTRIC GRIPS

045010	1609-20	For No. 8 wire and finer, galvanized	1.00
045011	1609-30	For No. 6 wire and finer, galvanized	1.20
045012	1609-40	For No. 0 wire and finer, galvanized	1.50

LINEMEN'S VISES

045013	375	5 $\frac{1}{2}$ -inch, with loop	2.00
045014	376	6-inch, with loop	2.40
045015	5303- 1	Jack strap for vise.....	2.00

PARALLEL WIRE STRETCHERS

Arranged for Strap for No. 8 and Smaller with Eye for No. 0 and Smaller

Trade No.	Mfrs. No.	Price Each
063614	3716	\$5.50
063615	3717	7.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

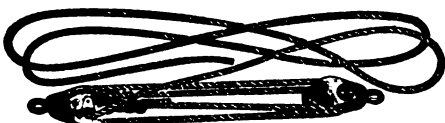
LINEMEN'S TACKLE



No. 1801-30



No. 1802-30



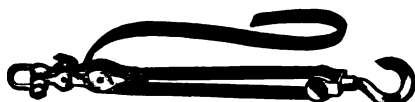
No. 1803-30



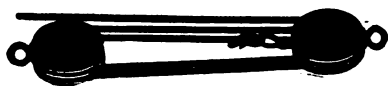
No. 4904-12



No. 1703-20



No. 1702-20



No. 339A



No. 350



No. 71

LINEMEN'S SELF-LOCKING
SLACK TACKLE

Has steel blocks with anchor hook at one end and spring snap hook for attaching grip on the other end with locking device.

Trade No.	Mfrs. No.	Size of Blocks, In.	Weight Pounds	Price Each
045295	1801-30	2	2½	\$5.50

Furnished with 25 feet ¾-inch rope.

TROUBLEMEN'S SELF-LOCKING
BLOCKS

This set is similar to above, but has a snap hook at each end for attaching grips.

Trade No.	Mfrs. No.	Description	Weight Pounds	Price Each
063618	1802-30	Galvanized	2½	\$5.50

Furnished with 25 feet ¾-inch rope.

LINEMEN'S SELF-LOCKING EYE
BLOCKS

This set is similar to above, but has an eye at each end for attaching grips.

063617	1803-30	Galvanized	2	5.00
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Furnished with 25 feet ¾-inch rope.

LINEMEN'S BLOCKS, WITH STRAPS

045287	4904-12	With 12-ft. Strap	2¾	5.00
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HOWE'S WIRE TOOLS

The swivel hook is steel, with an opening large enough to go over an insulator pin or other convenient object to which to anchor. The forward end has a locking device to hold the load at any distance.

With 5½-inch Vise

045016	1703-20	Sgle. purchase	3½	8.00
045017	1703-30	Dble. purchase	3¾	9.00

Without Vise

045018	1702-20	Sgle. purchase	2	6.00
045019	1702-30	Dble. purchase	2½	7.50

WOOD BLOCKS, WITH EYES FOR GRIPS

Trade No.	Mfrs. No.	Size of Blocks, In.	Size of Rope, In.	Price per Pair
045288	4900-3	3	7/16	\$3.50
045289	4900-4	4	1/2	3.60
045290	4900-5	5	5/8	5.70

PULLEY BLOCKS, WITH ECCENTRIC GRIPS

Malleable Iron, Galvanized

Trade No.	Mfrs. No.	Size of Blocks, In.	Size of Rope, In.	Wt., Lbs. per Pair	Price per Pair
045292	350	2¼	¾	2	\$4.00

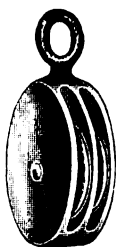
REPAIR LINKS

Trade No.	Mfrs. No.	Size Inches	Price Each
045285	71	5/16 x 2 x 1½	\$0.10
045286	72	3/8 x 2½ x 1½	.10

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PULLEY BLOCKS

MALLEABLE IRON

For $\frac{3}{8}$ -inch Rope, 2 $\frac{1}{4}$ -inch Shell

No. 332B

With Eyes

Trade No.	Mfrs. No.	Description	Price per Doz.
045051	331	Single, one eye	\$2.00
045052	331A	Single, two eyes	2.00
045053	331B	Double, one eye	2.80
045054	331C	Double, two eyes	2.80

With Hook

Trade No.	Mfrs. No.	Description	Price per Doz.
045069	2333	Single, one hook	\$3.75
045070	2333A	Single, hook and eye	3.75
045071	2334	Double, one hook	4.50
045072	2334A	Double, hook and eye	4.50

For $\frac{1}{2}$ -inch Rope, 3-inch Shell

045057	332	Single, one eye	3.00	045075	2335	Single one hook	5.15
045058	332A	Single, two eyes	3.00	045076	2335A	Single, hook and eye	5.15
045059	332B	Double, one eye	4.00	045077	2336	Double, one hook	6.00
045060	332C	Double, two eyes	4.00	045078	2336A	Double, hook and eye	6.00

STEEL SHELL AND WOOD SHELL

For $\frac{3}{8}$ -inch Rope, 3-inch Shell

Description	Steel Shell, Japanned			Wood Shell		
	Trade No.	Mfrs. No.	Price Each	Trade No.	Mfrs. No.	Price Each
Single.....	044768	103	\$0.70	044786	341A	\$0.70
Double.....	044769	104	1.30	044787	341B	1.30
Triple.....	044770	105	1.75	044788	341C	1.75

For $\frac{1}{2}$ -inch Rope, 4-inch Shell

Single.....	044771	106	.85	044792	342A	.85
Double.....	044772	107	1.60	044793	342B	1.60
Triple.....	044773	108	2.15	044794	342C	2.15

For $\frac{5}{8}$ -inch Rope, 5-inch Shell

Single.....	044774	109	.90	044795	343	.90
Double.....	044775	110	1.75	044796	344	1.75
Triple.....	044776	111	2.25	044797	344A	2.25

For $\frac{3}{4}$ -inch Rope, 6-inch Shell

Single.....	044777	112	1.10	044798	345	1.10
Double.....	044778	113	2.00	044799	346	2.00
Triple.....	044779	114	2.90	044800	346A	2.90

For 1-inch Rope, 8-inch Shell

Single.....	044783	118	1.65	044765	347	1.65
Double.....	044784	119	2.85	044766	348	2.85
Triple.....	044785	120	4.25	044767	348A	4.25

SNATCH BLOCKS

For $\frac{1}{2}$ -inch Rope, 6-inch Shell

With swivel hook and drop link.....	044780	121	5.00	044789	348B	4.00
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For $\frac{3}{8}$ -inch Rope, 7-inch Shell

With swivel hook and drop link.....	044781	122	5.50	044790	348C	4.75
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For 1-inch Rope, 8-inch Shell

With swivel hook and drop link.....	044782	123	7.00	044791	348D	5.75
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No. 104



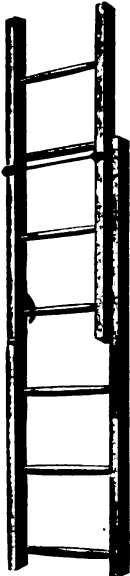
No. 121



No. 341B

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LADDERS AND BLOCKS

Extension
Ladder

Ladder with Shelf



Ladder without Shelf

EXTENSION LADDERS

Trade No.	Length Feet	Weight Pounds	Price Each
028001	12	....	\$ 5.40
028002	16	....	7.20
028003	20	....	9.00
028004	24	....	10.80
028005	28	....	14.00
028006	32	....	16.00
028007	36	....	18.00
028008	40	....	20.00

STEPLADDERS

With Shelf			
028013	4	13	2.80
028014	6	19	4.00
028015	8	27	5.20
028016	10	34	6.40
028017	12	42	7.60
Without Shelf			
028018	4	13	2.40
028019	6	18	3.60
028020	8	24	4.80
028021	10	32	6.00
028022	12	40	7.20

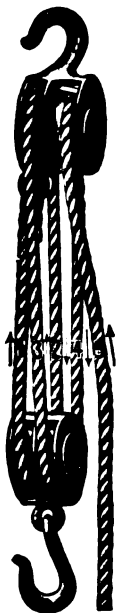
WALTON PATENTED SELF-LOCKING BLOCKS

The rope is locked by switching to the right, the eccentric score carrying the rope up to a rotating pin, which locks the rope without friction. To release the strain pull slightly forward till the rope switches into the true score, and lower away on the left. To reeve the rope correctly in the blocks fasten the end of rope to the becket or holdfast at bottom of block, then reeve through No. 1, and so on till the rope comes out through the wide score in upper block, which is the highest number. By looking at the mortises, the number will be seen stamped at the head of each mortise.

No. 30½ iron blocks are particularly adapted for telephone and telegraph wiring; No. 39 iron, for guy work, and No. 43 iron, for erecting poles.

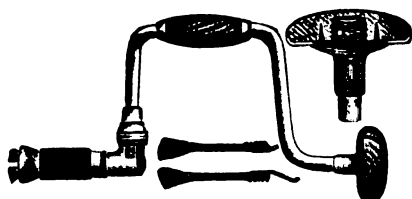
Malleable Iron Blocks, Roller Bushed

Trade No.	Mfrs. No.	Length Block Inches	Diam. Rope Inches	Upper and Lower Block	One Man can Lift Pounds	Block Capacity Pounds	Price per Set
42687	R-30½	3	3/8	Double	250	700	\$ 8.00
42696	R-39	6	3/4	T. & D.	500	2500	17.00
42700	R-43	4	1/2	Triple	600	1800	14.00

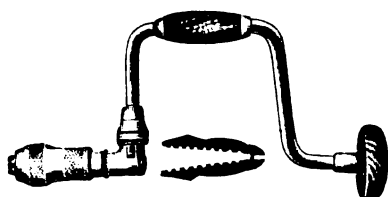
Walton
Self-Locking
Block

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

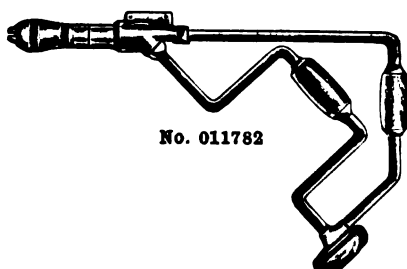
BRACES



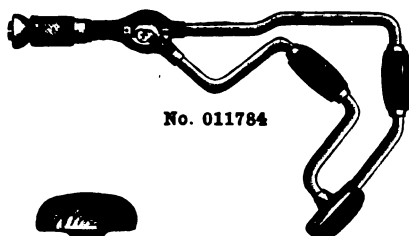
No. 011756



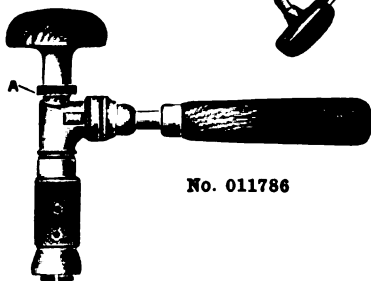
No. 011761



No. 011782



No. 011784



No. 011786



No. 011787



No. 011788

RATCHET BRACES

With Ball-Bearing Heads

Trade No.	Mfrs. No.	Sweep Inches	Std. Pkg.	Price Each
011756	66	6	6	\$3.20
011757	86	8	6	3.40
011758	106	10	6	3.50
011759	126	12	6	3.80
011760	146	14	6	4.00

Without Ball-Bearing Heads

011761	62	6	6	2.40
011762	82	8	6	2.50
011763	102	10	6	2.70
011764	122	12	6	3.00
011765	142	14	6	3.20

CORNER BRACES

011782	585	8	....	6.00
011783	586	10	....	6.50
011784	80	8	2	6.50
011785	100	10	2	7.00

CORNER RATCHET BIT BRACES

011786	70	2	3.50
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UNIVERSAL ANGULAR BIT STOCKS

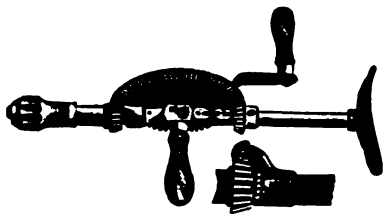
011787	67	6	3.00
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EXTENSION BIT HOLDERS

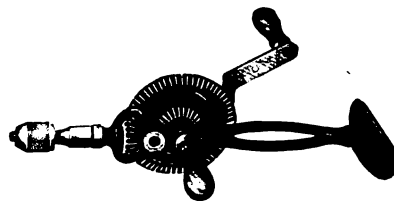
011788	3A	12	2.10
011789	3B	16	2.20
011790	3C	20	2.30
011791	3D	24	2.40
011792	3E	30	....	2.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DRILLS AND BORING TOOLS



No. 08073



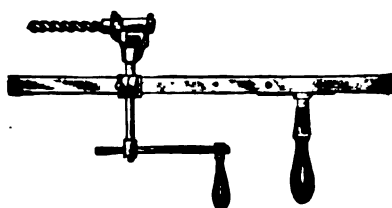
No. 08076



No. 08077



No. 08078



No. 08079

BREAST DRILLS

Trade No.	Mfrs. No.	Style of Gear	Price Each
08073	1	Double	\$ 8.00
08074	5	Double	10.00
08075	2	Single	5.50
08076	6	Single	7.50

No. 5 is similar to No. 1, but has a chuck the same style as No. 6.

No. 2 is similar to No. 6, but has a chuck the same as style No. 1.

Nos. 1 and 2 have two-jaw chuck.

Nos. 5 and 6 have three-jaw chuck and will take from 0 to $\frac{1}{2}$ inch round shank drills.

HAND DRILLS

Trade No.	Mfrs. No.	Size, Drill Inches	Length Inches	Price Each
08077	3	$\frac{1}{8}$ to $\frac{3}{4}$	10 $\frac{1}{2}$	\$3.50
08078	4	$\frac{1}{8}$ to $\frac{3}{4}$	12 $\frac{1}{2}$	5.50

BORING MACHINES

Anthony

Trade No.	Price Each
08079 Without bits.....	\$12.00

Made to take round shank machine bits. Chucks or square shank bits extra.

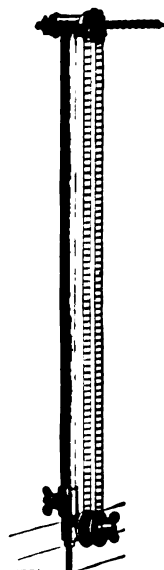
Henderson

08082 With one $\frac{1}{8}$ -inch bit.....	25.00
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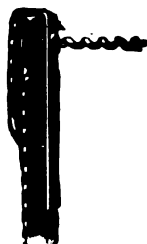
Has ball bearings and universal bit holders. Adjustable from 4 $\frac{1}{2}$ feet to 12 feet.

Standard

012890 For overhead work only.....	20.00
012891 With below boring fixtures.....	22.00
012892 For overhead only, to bore 17 feet	21.00
012893 Machine to bore 17 feet, including below boring fixture.....	23.00
012894 Below boring fixture with heads and bits.....	16.00
012895 Head only.....	14.00
012896 Base partition machine.....	12.00



No. 08082



No. 012890

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BITS

AUGER BITS



Trade No.	Size, Inches in 16ths	Price per Doz.
013680	3	\$1.50
013681	4	4.00
013682	5	4.00
013683	6	4.00
013684	7	4.50
013685	8	5.00
013686	9	5.50
013687	10	6.00
013688	11	7.00
013689	12	7.00
013690	13	8.00
013691	14	8.00
013692	15	9.00
013693	16	9.00

CAR BITS

12-inch Twist, 6-inch Shank



Trade No.	Size, Inches in 16ths	Price per Doz.
013700	4	\$9.00
013701	5	9.00
013702	6	9.00
013703	7	10.00
013704	8	11.25
013705	9	12.50
013706	10	13.75
013707	11	15.00
013708	12	16.25
013709	13	17.50
013710	14	19.00
013711	16	22.00
013712	18	26.00
013713	20	30.00

In ordering, specify whether solid center or Snell pattern is desired.

SHIP AUGER BITS

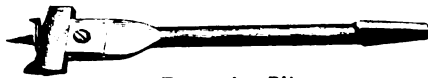


013720	4	6.00
013721	5	6.00
013722	6	6.00
013723	7	6.00
013724	8	6.00
013725	9	7.50
013726	10	7.50
013727	11	9.00
013728	12	9.00
013729	13	10.50
013730	14	10.50
013731	15	12.00
013732	16	12.00
013733	17	13.50
013734	18	13.50
013735	19	15.00
013736	20	15.00

SHIP AUGER CAR BITS



013740	6	9.00
013741	7	9.50
013742	8	10.00
013743	9	10.50
013744	10	11.00
013745	11	11.50
013746	12	12.00
013747	13	12.50
013748	14	13.00
013749	15	14.00
013750	16	14.50
013751	17	15.50
013752	18	16.00
013753	19	17.00
013754	20	17.50
013755	22	19.00
013756	24	22.00



Expansive Bit



Bell Hangers' Drill

Trade No.	Description	Price per Doz.
013366	Small size, with two cutters, boring $\frac{1}{2}$ to $\frac{7}{8}$ and $\frac{7}{8}$ to $1\frac{1}{2}$ -inch holes.....	\$18.00
013377	Large size, with two cutters, boring $\frac{7}{8}$ to $1\frac{1}{4}$ and $1\frac{1}{4}$ to 3-inch holes.....	26.00

BELL HANGERS' DRILLS

Trade No.	Size, Inches in 32ds	PRICE, PER DOZEN			
		12-inch	18-inch	24-inch	30-inch
013276	6	\$5.00	\$7.00	\$9.00	\$11.00
013277	8	5.00	7.00	9.00	11.00
013278	10	5.50	7.50	9.50	12.00
013279	12	6.00	8.00	10.00	12.00
013280	14	7.00	9.00	11.00	13.00
013281	16	8.00	10.00	12.00	14.00
013282	18	9.00	11.00	13.00	15.00
013283	20	10.00	12.00	14.00	16.00
013284	22	11.00	13.00	15.00	17.00
013285	24	12.00	14.00	16.00	18.00
013286	26	13.00	15.00	17.00	18.00
013287	28	14.00	16.00	18.00	19.00
013288	30	15.00	17.00	19.00	20.00
013289	32	16.00	18.00	20.00	20.00
013290	34	17.00	19.00	20.00	20.00
013291	36	18.00	20.00	21.00	21.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STAR BRICK DRILLS

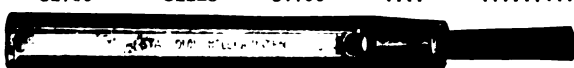
FASCUT STAR DRILLS

Five cutting edges make Fascut Star Drills cut quickly and cleanly. The pointed face increases the efficiency and makes the starting of a hole easier. High grade crucible tool steel bar. Sharp milled edge keeps cuttings loose. Extremely heavy rib, finished smooth, long, gradual flare, going back to end of groove, and at no point less in diameter than the bar itself. Long bevel, milled smooth and sharp.

Diam. of Cut Inches	12 Inches Long Trade No.	Price per Doz.	18 Inches Long Trade No.	Price per Doz.	24 Inches Long Trade No.	Price per Doz.	Drills to Fit Shields Inches	Drill to Fit Anchors Inches
1/4	51081	\$8.50	51097	\$11.00	51113	\$13.50	....	1/8—No. 6
5/16	51082	8.50	51098	11.00	51114	13.50	1/8	3/16—No. 10
3/8	51083	8.50	51099	11.00	51115	13.50	3/8	1/4—No. 14
7/16	51084	9.00	51100	11.50	51116	14.00	1/4	5/16—No. 18
1/2	51085	10.00	51101	12.50	51117	15.00	1/2	.....
5/8	51086	12.00	51102	15.00	51118	17.50	5/8	3/8—No. 24
3/4	51087	12.00	51103	15.00	51119	17.50	3/4	.....
7/8	51088	14.00	51104	17.50	51120	20.00	.....	1/2—No. 30
1	51089	14.00	51105	17.50	51121	20.00	1/2	.....
1 1/8	51090	16.00	51106	20.00	51122	22.50	.....	5/8
1 1/4	51091	16.00	51107	20.00	51123	22.50	5/8	.....
1 1/2	51092	18.00	51108	22.50	51124	25.00	3/4	.....
1 3/4	51093	24.00	51109	28.00	51125	32.00	.....	.....
2	51094	30.00	51110	35.00	51126	40.00	7/8	.....
2 1/4	51095	50.00	51111	56.00	51127	62.00	1	.....
2 3/4	51096	75.00	51112	81.00	51128	87.00	.....	.....



Star Drill Points



Star Drill Holder and Point

STAR DRILL POINTS

Trade No.	Diam. of Cut Inches	Price per Doz.	Trade No.	Diam. of Cut Inches	Price per Doz.
053870	1/4	\$8.50	053876	7/8	\$ 9.00
053871	5/16	8.50	053877	1/2	10.00
053872	3/8	8.50	053878	5/8	12.00
053873	7/16	8.50	053879	3/4	14.00
053874	1/2	9.00	.....	..	.....

STAR DRILL HOLDERS

Trade No.	Description	Price per Doz.
053875	Made of 3/4-inch octagon steel, 6 inches long	\$24.00

SEBCO EXTENSION DRILLS

Trade No.	Diameter of Cutting Edge Inches	Size of Pipe for Handle Inches	Drill for Expansion Shields for Following Bolts	Price per Doz.
51129	9/16	1/8	3/8	\$3.00
51130	5/8	1/8	3/8	3.00
51131	11/16	1/4	1/2	3.00
51132	3/4	1/4	1/2	3.00
51133	7/8	3/8	5/8	3.00
51134	1	1/2	3/4	3.00
51135	1 1/8	1/2	.....	3.60
51136	1 1/4	3/4	.....	4.20
51137	1 3/8	3/4	.....	7.50
51138	1 1/2	3/4	.....	9.00
51139	1 3/4	1	.....	10.50
51140	2	1	.....	12.00
51141	2 1/4	1	.....	18.00
51142	2 1/2	1	.....	22.00
51143	2 3/4	1	.....	27.00
51144	3	1	.....	31.00
36017	3 1/4	1 1/4	.....	36.00
51145	3 1/2	1 1/4	.....	40.00
51146	3 3/4	1 1/4	.....	44.00
51147	4	1 1/4	.....	48.00



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

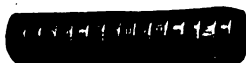
SEBCO EXPANSION SHIELDS AND SCREW ANCHORS

MALLEABLE IRON SHIELDS ONLY



Square Head Lag Screw
Malleable Shield

These shields are for use with lag screws which are listed on another page of this catalogue.



Malleable Iron Shield

Trade No.	Diam. of Screw Inches	Price per 100
36028	$\frac{3}{16}$	8.40
36029	$\frac{1}{4}$	9.40
36030	$\frac{5}{16}$	10.50
36031	$\frac{3}{8}$	13.35
36032	$\frac{7}{16}$	17.75
36033	$\frac{1}{2}$	22.00
36034	$\frac{5}{8}$	27.80
36035	$\frac{3}{4}$	39.95
36036	$\frac{7}{8}$	53.30
36037	1	66.69
36038	$1\frac{1}{4}$	100.00

SCREW ANCHORS, WITHOUT SCREWS



Screw Anchor



Screw Anchor with
Round Head Wood Screw

Trade No.	DIMENS. OF ANCHOR, INCHES			Diam. of Drill In.	Anchor Fit Screw Numbers	Number in Box	Anchor only Price per 100
	Inside Diam.	Outside Diam.	Length				
36057	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	5-6-7-8	100	\$4.40
36058	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{5}{8}$	$\frac{1}{4}$	5-6-7-8	100	4.40
36059	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{4}$	5-6-7-8	100	4.40
36060	$\frac{3}{16}$	$\frac{5}{16}$	$\frac{1}{2}$	$\frac{5}{16}$	9-10-11-12	100	5.00
36061	$\frac{3}{16}$	$\frac{5}{16}$	$\frac{3}{4}$	$\frac{5}{16}$	9-10-11-12	100	5.00
36062	$\frac{3}{16}$	$\frac{5}{16}$	1	$\frac{5}{16}$	9-10-11-12	100	5.00
36063	$\frac{3}{16}$	$\frac{5}{16}$	$1\frac{5}{8}$	$\frac{5}{16}$	9-10-11-12	100	6.25
36064	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	13-14-15	100	5.60
36065	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{3}{4}$	$\frac{3}{8}$	13-14-15	100	5.60
36066	$\frac{1}{4}$	$\frac{3}{8}$	1	$\frac{3}{8}$	13-14-15	100	5.60
36067	$\frac{1}{4}$	$\frac{3}{8}$	$1\frac{1}{2}$	$\frac{3}{8}$	13-14-15	50	6.75
36068	$\frac{1}{4}$	$\frac{3}{8}$	2	$\frac{3}{8}$	13-14-15	50	7.80
36069	$\frac{5}{16}$	$\frac{7}{16}$	$\frac{3}{4}$	$\frac{7}{16}$	16-17-18	50	6.25
36070	$\frac{5}{16}$	$\frac{7}{16}$	1	$\frac{7}{16}$	16-17-18	50	6.25
36071	$\frac{5}{16}$	$\frac{7}{16}$	$1\frac{1}{2}$	$\frac{7}{16}$	16-17-18	50	7.50
36072	$\frac{5}{16}$	$\frac{7}{16}$	2	$\frac{7}{16}$	16-17-18	50	8.75
36073	$\frac{3}{8}$	$\frac{9}{16}$	1	$\frac{9}{16}$	20-22-24	50	7.50
36074	$\frac{3}{8}$	$\frac{9}{16}$	2	$\frac{9}{16}$	20-22-24	50	9.50
36075	$\frac{1}{2}$	$\frac{11}{16}$	2	$\frac{11}{16}$	26-28-30	50	14.50
36076	$\frac{5}{8}$	$\frac{5}{8}$	2	$\frac{5}{8}$	$\frac{5}{8}$ -in. Lag Screw	50	18.00
36077	$\frac{5}{8}$	$\frac{5}{8}$	$3\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$ -in. Lag Screw	50	21.00

Any wood, machine or special screw may be used with these anchors.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

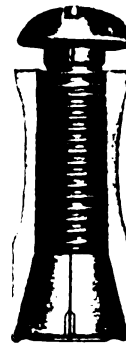
VAN EXPANSION BOLTS



Normal Position



Expanded



Cross Section

The Van requires less drilling to place in position than other makes because of its small size and accuracy of construction.

It has four-way expansion which makes it very flexible, giving greater contact with the wall of the hole and evenly distributes the holding load.

The Van unit can be used in solid or hollow walls, floors and ceilings or any other place without the use of special tools.

It is simple in construction, quickly installed, permanent when once used and rustproof and non-corrosive under all conditions.

VAN EXPANSION UNITS WITH BOLTS

Price, per 100

Length of Screw or Bolt, In.	MACHINE SCREWS		STOVE BOLTS		MACHINE BOLTS			
	No 8	No 10	1/4	5/16	3/8	1/2	5/8	3/4
3/4	2.65	.....	.....	.....	.....	.....	.....	.....
7/8	2.70	.....	.....	.....	.....	.....	.....	.....
1	2.75	2.75	.....	.....	.....	.....	.....	.....
1 1/8	2.80	3.75	.....	.....	.....	.....	.....
1 1/4	2.85	3.80	5.40	.....	.....	.....	.....
1 1/2	3.85	5.50	7.10	.....	.....	.....
1 3/4	3.90	5.60	.....	.....	.....	.....
2	3.95	5.70	7.15	10.20	.....	.....
2 1/2	5.80	7.20	10.25	15.80	21.80
3	5.90	7.30	10.30	15.90	22.00
3 1/2	7.40	10.40	16.00	22.15
4	7.50	10.50	16.15	22.30
4 1/2	10.60	16.25	22.50
5	10.70	16.40	22.65
5 1/2	16.50	22.80
6	16.65	23.00

Thickness of material to be fastened should always be stated when ordering bolts.

Round head machine screws and stove bolts supplied unless otherwise specified.

VAN EXPANSION UNITS ONLY

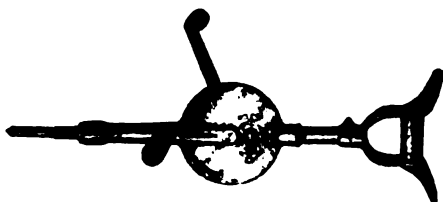
Size of Screw or Bolt, In.	Length Unit Inch	Size Drill to Use Inch	Threads per Inch	For Use With	Standard Package	Price per 100
3/8	5/8	5/8	32	Machine screws	100	\$2.50
3/8	7/8	3/4	24	Machine screws	50	2.50
1/4	1	7/8	18	Stove bolts	50	3.50
5/8	1 1/4	9/8	18	Stove bolts	25	5.00
3/8	1 1/2	5/8	16	Machine bolts	25	6.50
1/2	2	3/4	13	Machine bolts	12	9.00
5/8	2 1/2	7/8	11	Machine bolts	12	14.00
3/4	3	1	10	Machine bolts	12	19.00

To find proper length of stove bolt or machine screw required for your work, add length of unit you intend using to thickness of work and the sum is the length to use.

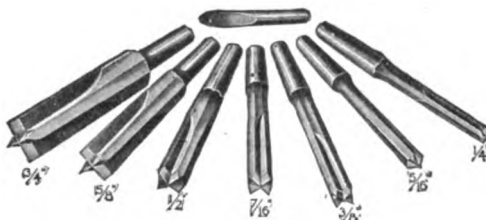
To find proper length of machine bolt to use with sizes 3/8 inch and up, add the length of unit to thickness of work and the sum less 1/4 inch is the length to use.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DIAMOND RAPID FIRE DRILLS AND POINTS



Rapid Fire Drill



Extra Drill Points

The Diamond Rapid Fire Drill reproduces the same action as is produced with the hand hammer and drill, with greatly multiplied speed.

The Diamond Rapid Fire Drill is the most economical means of drilling holes for expansion bolts. Its saving in time and labor and its convenience in use will, in a short time, pay for the cost of the tool.

With every revolution of the crank eight sharp blows are struck.

No vibration. Its action is percussive, and its mechanism is so constructed that practically no vibration or concussion is felt by the operator.

Each drill has three adjustments, hard, medium and soft, controlled by a spring lever at the side of the housing. The springs are easily changed by removing the cover of the housing without disarranging or unfastening any of the parts of the mechanism.

Trade No.	Description	Price Each
54242	Drill only, without drill points.....	\$32.00

STANDARD DRILL POINTS

Trade No.	Diam. Inches	Length Inches	Depth of Hole Inches	Price Each	Trade No.	Diam. Inches	Length Inches	Depth of Hole Inches	Price Each
54161	1/4	4 1/4	3	\$0.71	54166	5/8	6	4 1/2	\$1.00
54162	5/16	4 1/4	3	.71	54167	3/4	6	4 1/2	1.17
54163	3/8	4 1/4	3	.71	54168	7/8	6 1/2	5	1.33
54164	7/8	4 1/4	3	.75	54169	1	6 1/2	5	1.50
54165	1 1/2	6	4 1/2	.84	.....	...	...	...	....

Complete set (eight sizes) 1/4, 5/16, 3/8, 7/8, 1/2, 5/8, 3/4 and 1, \$7.40 list.

EXTRA LENGTHS OF DRILL POINTS

Trade No.	Diam. Inches	Length Inches	Price per Doz.	Trade No.	Diam. Inches	Length Inches	Price per Doz.	Trade No.	Diam. Inches	Length Inches	Price per Doz.
54170	1/4	12	\$8.50	54183	1/4	18	\$11.00	54196	1/4	24	\$13.50
54171	5/16	12	8.50	54184	5/16	18	11.00	54197	5/16	24	13.50
54172	3/8	12	8.50	54185	3/8	18	11.00	54198	3/8	24	13.50
54173	7/8	12	9.00	54186	7/8	18	11.50	54199	7/8	24	14.00
54174	1 1/2	12	10.00	54187	1 1/2	18	12.50	54200	1 1/2	24	15.00
54175	5/8	12	12.00	54188	5/8	18	15.00	54201	5/8	24	17.50
54176	3/4	12	14.00	54189	3/4	18	17.50	54233	3/4	24	20.00
54177	7/8	12	16.00	54190	7/8	18	20.00	54234	7/8	24	22.50
54178	1	12	18.00	54191	1	18	22.50	54235	1	24	25.00
54179	1 1/8	12	24.00	54192	1 1/8	18	28.00	54236	1 1/8	24	32.00
54180	1 1/4	12	30.00	54193	1 1/4	18	35.00	54237	1 1/4	24	40.00
54181	1 3/8	12	40.00	54194	1 3/8	18	45.00	54238	1 3/8	24	50.00
54182	1 1/2	12	50.00	54195	1 1/2	18	56.00	54239	1 1/2	24	62.00

CEILING STANDS FOR DIAMOND RAPID FIRE DRILLS

The Diamond Rapid Fire Ceiling Stand is light, made of best quality cold-drawn seamless tubing, the sections telescoping together and can be easily carried about by the operator. The automatic spring feed attachments will supply the required pressure for holes up to 8 inches deep without readjustment. The ball and socket joints at base will permit of it being readily adjusted to any angle or level of the floor.

Trade No.	Style	Description	Price Each
54240	A	For ceilings 7 to 12 feet.....	\$12.00
54241	B	For ceilings 8 to 20 feet.....	15.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE DRILLS AND BOLTS



Hammer Drill

 $\frac{1}{2}$ x4-inch Drill Point $\frac{5}{8}$ x6-inch Drill Point

HAMMER DRILLS

The Peirce Hammer Drill is a double-ended tool designed for drilling holes easily in brick, stone and concrete. It drills the hole and swages the lead sleeve of the bolt. Holds all sizes of drill points. Points easily removed for sharpening.

Trade No.	Description	Price Each
042057	Hammer drill only, for $\frac{1}{4}$ -inch bolts	\$6.28
042058	Hammer drill only, for $\frac{3}{8}$ -inch bolts	6.68

DRILL POINTS

Trade No.	Size Inches	Description	Price Each
74701	$\frac{3}{8}$ x 4	.....	\$0.86
042059	$\frac{1}{2}$ x 4	For $\frac{1}{4}$ -inch expansion bolts	.86
74702	$\frac{1}{2}$ x 6	.....	.96
74703	$\frac{1}{2}$ x12	.....	1.06
042060	$\frac{5}{8}$ x 6	For $\frac{3}{8}$ -inch expansion bolts	1.26
042061	$\frac{5}{8}$ x12	.....	1.58
042062	$\frac{3}{4}$ x 6	.....	1.48
042063	$\frac{3}{4}$ x12	.....	1.78
042064	$\frac{7}{8}$ x 6	For $\frac{1}{2}$ -inch expansion bolts	1.58
042065	$\frac{7}{8}$ x12	.....	1.90

EXPANSION BOLTS

Trade No.	Mfrs. No.	Size Inches	Price per 100
042066	1	$\frac{1}{4}$ x1 $\frac{3}{4}$	\$3.20
042067	2	$\frac{1}{4}$ x2	3.30
042068	3	$\frac{1}{4}$ x2 $\frac{1}{2}$	3.40
042069	4	$\frac{1}{4}$ x3 $\frac{1}{4}$	4.00
042070	5	$\frac{3}{8}$ x2 $\frac{1}{2}$	5.60
042071	6	$\frac{3}{8}$ x3	5.90
042072	7	$\frac{3}{8}$ x3 $\frac{1}{2}$	6.40
042073	8	$\frac{3}{8}$ x4 $\frac{1}{2}$	7.20
042074	9	$\frac{3}{8}$ x5	7.70
042075	10	$\frac{3}{8}$ x5 $\frac{1}{2}$	8.10
042076	11	$\frac{1}{2}$ x2 $\frac{1}{2}$	8.10
042077	12	$\frac{1}{2}$ x3 $\frac{1}{2}$	8.90
042078	13	$\frac{1}{2}$ x4	9.30
042079	14	$\frac{1}{2}$ x4 $\frac{1}{2}$	9.70
042080	15	$\frac{1}{2}$ x5	10.10
042081	16	$\frac{1}{2}$ x5 $\frac{1}{2}$	10.50
042082	17	$\frac{1}{2}$ x6 $\frac{1}{2}$	11.30
042083	18	$\frac{1}{2}$ x8	12.60



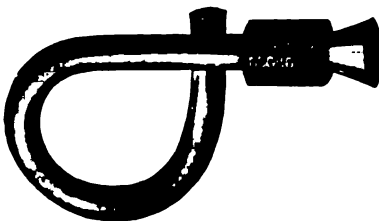
Expansion Bolt

EXTRA LEAD SLEEVES

Trade No.	Diameter Inches	Price per 100
74704	$\frac{1}{4}$	\$1.10
74705	$\frac{3}{8}$	1.80
74706	$\frac{1}{2}$	5.20

RING BOLTS

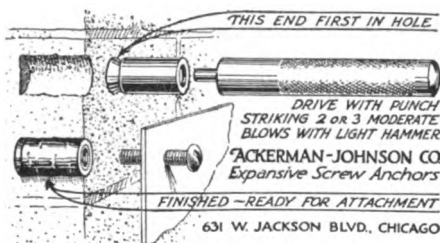
Trade No.	Diameter of Eye, inches	Price per 100
042084	$\frac{3}{4}$	\$3.60
042085	1	4.10
042086	1 $\frac{1}{4}$	4.54
042087	1 $\frac{3}{4}$	5.28



Ring Bolt

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SCREW ANCHORS AND TOGGLE BOLTS



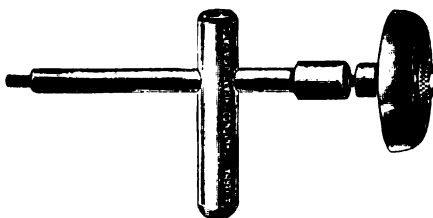
Showing Method of Installing Anchor



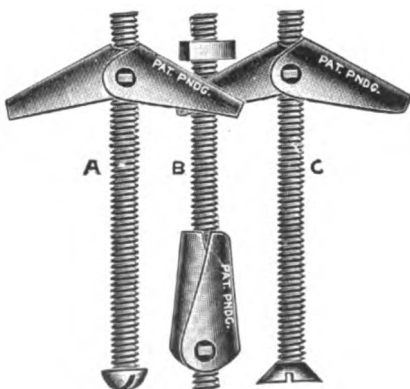
Anchor



Piloted Setting Punch Included with and Packed in Each Box of 50 or 100 Anchors



Hammerless Setting Tool



Paine Toggle Bolts

ACKERMAN-JOHNSON
EXPANSIVE SCREW ANCHORS

These anchors differ essentially from other forms of screw anchors and expansion bolts. They are smaller than is usual, making it unnecessary to drill as deep holes, but they will hold much heavier loads and withstand loads under more severe vibration than other forms of expansive fastenings. They are set, completely anchored before the screw is entered, entirely eliminating such troubles as anchors turning in the hole, screws twisting off, and fixtures being dropped or marred by slipping screwdriver. They save time in both the drilling and the setting.

Tests made, using special heat treated, steel screws, have shown the holding power of these anchors to be equal to about 25 per cent in excess of the tensile strength of their ordinary steel screws.

Anchors Without Screws

Trade No.	Anchor Size No.	MIN. DIMENS. HOLES REQUIRED, INCHES		Wt. Lbs. per 100	Price per 100
		Diam.	Depth		
135820	6 x32	1/4	3/8	3/4	\$2.30
135821	8 x32	5/16	1/2	1 1/2	3.00
135822	10 x24	3/8	5/8	2 1/4	3.30
135823	12 x24	1/2	7/8	5	4.40
135824	1/4 x20	1/2	7/8	5	4.80
135825	5/16 x18	5/8	1	10	6.50
135826	3/8 x16	3/4	1 1/4	16	7.20
135827	1/2 x13	7/8	1 1/2	25	8.60

Packed 50 or 100 in box.

Hammerless Setting Tools

Anchors are set perfectly in tile or other thin material in which the hole extends through or has a weak bottom, by means of these hammerless tools. A few turns of the wheel forces the outer sleeve over the anchor-nut, expanding the outer sleeve to any degree required.

Trade No.	Description	Net Price Each
135828	For setting anchor No. 8x32.....	\$0.50
135829	For setting anchor No. 10x24.....	.50
135830	For setting anchor No. 12x24.....	1.00
135831	For setting anchor 1/4 in. x20.....	1.60
135832	For setting anchor 5/16 in. x18.....	1.50

PAINE TOGGLE BOLTS

This toggle bolt will pass through a 3/16-inch hole when closed. Its great advantages are that, when closed it is only about 1 inch in length of head, and will work in hollow tile with hollow of only 1 1/8 inch, while other toggles require a hollow as great as the spread of head.

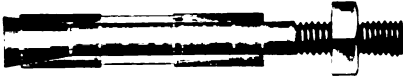
This bolt folds to insert in hole, and when the head has passed the inside of hole the spring instantly throws the two halves of head out to a spread of about 2 inches. The two parts of the head swivel on the trunions of the nut and also engage the thread or head of bolt, which gives additional holding power to nut.

The toggle bolt can be used with a nut or as a screw, as shown in illustrations.

Trade No.	Size Inches	Price per 100	Trade No.	Size Inches	Price per 100
135833	1/4 x3	\$6.75	135839	3/8 x5	\$7.50
135834	1/4 x3 1/2	6.90	135840	3/8 x6	7.80
135835	1/4 x4	7.00	135841	1/4 x3	7.85
135836	3/8 x2	6.60	135842	1/4 x4	8.15
135837	3/8 x3	6.85	135843	1/4 x5	8.55
135838	3/8 x4	7.15	135844	1/4 x6	8.95

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ACKERMAN-JOHNSON LAMP POST EXPANSION BOLTS



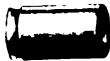
Sectional View Showing Bolt with Primary Expansion Sleeve, One Iron Spacing Sleeve, and One Secondary Expansive Unit



Bolt with Primary and One Secondary Expansive Unit



Bolt with Primary Expansive Sleeve only



Secondary Expansive Unit



Spacing or Filling Sleeve

EXPANSIVE BOLTS

These bolts were designed, primarily, for holding heavy street lighting posts but are also adapted for any other fastenings which are to be subjected to unusually heavy strain.

So great is the holding power of this anchorage, that when set in strong stone or concrete with only its one primary sleeve expanded, the bolt shank can be pulled in two, under a load of about 13000 pounds, without the anchorage yielding.

As compared with the method of pouring lead or sulphur, the saving in time alone, by the use of these bolts, will more than pay for their cost, besides affording double the security.

Any desired combination of secondary units and spacing sleeves may be used, the one primary sleeve being sufficient for all ordinary settings and equal to the bolt strength in good foundation material. When multiple combinations are used, each unit must be calked separately.

Trade No.	Length Inches	Diam. Inches	Shipping Wt., Lbs. per 100	Price, Galv.	Price, Not Galv.
135846	3½	5/8	70	\$20.10	\$16.90
135847	4	5/8	80	21.20	17.60
135848	5	5/8	90	22.80	18.60
135849	6	5/8	100	24.60	19.80
135850	7½	5/8	110	26.80	21.40
135851	9	5/8	125	29.40	23.00
135852	10½	5/8	140	32.00	24.60
135853	12	5/8	155	34.80	26.40

The above list covers bolts with primary expansive sleeve only.

SECONDARY EXPANSIVE UNITS

Secondary expansive units for the above are made up of an expansive sleeve and a slip steel cone, giving additional anchorage equal to the primary unit.

Calculate the minimum depth of holes for setting at 1½ inches for each unit or filling sleeve.

Trade No.	Description	Ship. Wt., Lbs. per 100	Price per 100
135854	Secondary expansive units	35	\$12.00

SPACING SLEEVES

Iron spacing sleeves are used where there is a specified depth of hole and secondary expansive units enough to fill the hole are not necessary.

135855	Spacing sleeves	20	2.20
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CALKING TOOLS

Special hardened steel setting tools, when requested, will be furnished without charge, one with each box of 100 bolts. Steel tools, not hardened, will be furnished with quantities less than full boxes.

Hardened steel tools are sold as follows:

Trade No.	Extreme Length of Bolts Tools can be used with Inches	Net Price Each
135856	5	\$1.50
135857	7½	1.75
135858	12	2.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WOOD SCREWS PATENT IRON WOOD SCREWS—PRICE, PER GROSS

$\frac{1}{4}$ IN.	$\frac{3}{8}$ IN.	$\frac{1}{2}$ IN.	$\frac{5}{8}$ IN.	$\frac{3}{4}$ IN.	$\frac{7}{8}$ IN.	1 IN.	$1\frac{1}{4}$ IN.	$1\frac{1}{2}$ IN.	$1\frac{3}{4}$ IN.
No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price
0 \$0.72	0 \$0.72	1 \$0.72	1 \$0.72	2 \$0.72	2 \$0.74	3 \$0.80	3 \$0.88	3 \$0.98	5 \$1.30
1 .72	1 .72	2 .72	2 .72	3 .75	3 .75	4 .84	4 .92	4 1.05	6 1.35
2 .72	2 .72	3 .72	3 .72	4 .78	4 .82	5 .87	5 .98	5 1.10	7 1.45
3 .72	3 .72	4 .75	4 .75	5 .82	5 .85	6 .92	6 1.05	6 1.15	8 1.50
4 .72	4 .72	5 .78	5 .78	6 .85	6 .90	7 .98	7 1.10	7 1.20	9 1.55
.....	5 .75	6 .80	6 .82	7 .90	7 .94	8 1.05	8 1.15	8 1.30	10 1.60
.....	6 .78	7 .84	7 .86	8 .95	8 1.00	9 1.10	9 1.20	9 1.35	11 1.70
.....	7 .82	8 .90	8 .92	9 1.00	9 1.05	10 1.20	10 1.30	10 1.40	12 1.80
.....	8 .88	9 .96	9 .98	10 1.10	10 1.15	11 1.30	11 1.40	11 1.50	13 2.00
.....	9 .94	10 1.05	10 1.07	11 1.15	11 1.25	12 1.40	12 1.55	12 1.65	14 2.25
.....	.....	11 1.10	11 1.12	12 1.25	12 1.35	13 1.60	13 1.70	13 1.80	15 2.60
.....	.....	12 1.20	12 1.20	13 1.35	13 1.45	14 1.70	14 1.90	14 2.00	16 2.90
.....	.....	.....	13 1.25	14 1.50	14 1.55	15 2.00	15 2.15	15 2.35	17 3.50
.....	.....	.....	14 1.30	15 1.65	15 1.75	16 2.50	16 2.50	16 2.80	18 4.00
.....	.....	.....	.....	16 1.80	16 2.00	17 2.70	17 2.75	17 3.20	20 4.50
.....	.....	.....	.....	.....	.....	18 2.80	18 3.30	18 3.80	22 5.20
.....	.....	.....	.....	.....	.....	20 3.50	20 4.00	20 4.30	24 6.00
.....	.....	.....	.....	.....	.....	.....	22 4.80	22 5.10	.....
.....	.....	.....	.....	.....	.....	.....	24 5.40	24 5.90	.....

2 IN.	$2\frac{1}{4}$ IN.	$2\frac{1}{2}$ IN.	$2\frac{3}{4}$ IN.	3 IN.	$3\frac{1}{2}$ IN.	4 IN.	$4\frac{1}{2}$ IN.	5 IN.	6 IN.
No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price
5 \$1.45	5 \$1.55	5 \$1.90	6 \$2.40	6 \$2.95	8 \$3.90	8 \$4.90	12 \$7.00	12 \$8.10	12 \$10.00
6 1.50	6 1.60	6 2.00	7 2.60	7 3.00	9 4.00	9 5.10	13 7.20	13 8.30	13 10.30
7 1.55	7 1.65	7 2.10	8 2.70	8 3.05	10 4.10	10 5.20	14 7.60	14 8.60	14 11.00
8 1.60	8 1.75	8 2.20	9 2.80	9 3.10	11 4.20	11 5.30	15 7.85	15 9.10	15 11.60
9 1.65	9 1.85	9 2.30	10 2.90	10 3.15	12 4.30	12 5.40	16 8.15	16 9.70	16 12.40
10 1.75	10 1.95	10 2.40	11 3.00	11 3.20	13 4.40	13 5.60	17 8.60	17 10.10	17 13.00
11 1.85	11 2.05	11 2.50	12 3.10	12 3.30	14 4.50	14 5.90	18 9.15	18 11.00	18 14.50
12 2.00	12 2.20	12 2.60	13 3.20	13 3.40	15 4.75	15 6.20	20 9.85	20 11.50	20 16.00
13 2.20	13 2.35	13 2.70	14 3.30	14 3.50	16 4.95	16 6.50	22 11.20	22 13.00	22 18.00
14 2.45	14 2.65	14 2.90	15 3.60	15 3.80	17 5.40	17 7.00	24 13.50	24 15.00	24 20.00
15 2.75	15 3.10	15 3.30	16 3.90	16 4.20	18 6.15	18 7.80	26 16.00	26 18.00	26 28.00
16 3.10	16 3.50	16 3.65	17 4.50	17 4.80	20 7.30	20 8.60	28 18.50	28 21.00	28 27.00
17 3.70	17 3.85	17 4.20	18 5.00	18 5.50	22 8.70	22 9.70	30 21.50	30 24.00	30 30.50
18 4.20	18 4.55	18 4.70	20 6.10	20 6.50	24 10.20	24 11.20	.....	.....	.....
20 4.80	20 5.30	20 5.80	22 7.20	22 7.50	26 12.00	26 14.00	.....	.....	.....
22 5.50	22 6.10	22 6.70	24 8.50	24 8.70	.....	28 16.00	.....	.....	.....
24 6.40	24 6.90	24 7.50	.....	26 10.50	.....	30 18.50	.....	.....	.....

Additional varieties invoiced from this list at varying discounts: Flat, round, piano, fillister and oval head screws, dowel and felloe screws, bright, blue, brased, bronzed, japanned, lacquered, tinned, and Rogers drive screws.

PATENT BRASS WOOD SCREWS—PRICE, PER GROSS

$\frac{1}{4}$ IN.	$\frac{3}{8}$ IN.	$\frac{1}{2}$ IN.	$\frac{5}{8}$ IN.	$\frac{3}{4}$ IN.	$\frac{7}{8}$ IN.	1 IN.	$1\frac{1}{4}$ IN.	$1\frac{1}{2}$ IN.	$1\frac{3}{4}$ IN.
No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price
0 \$0.84	0 \$0.84	1 \$0.92	1 \$0.96	2 \$1.12	2 \$1.40	3 \$1.65	3 \$2.10	3 \$2.95	6 \$3.95
1 .84	1 .87	2 .92	2 1.00	3 1.18	3 1.50	4 1.70	4 2.20	4 3.05	7 4.00
2 .88	2 .92	3 1.06	3 1.08	4 1.25	4 1.55	5 1.75	5 2.25	5 3.10	8 4.10
3 .92	3 .97	4 1.08	4 1.15	5 1.40	5 1.60	6 1.80	6 2.35	6 3.20	9 4.70
4 .97	4 1.04	5 1.20	5 1.30	6 1.55	6 1.65	7 2.10	7 2.45	7 3.30	10 4.70
5 1.04	5 1.12	6 1.30	6 1.40	7 1.75	7 1.90	8 2.45	8 2.85	8 3.65	11 5.35
.....	6 1.20	7 1.45	7 1.60	8 2.00	8 2.20	9 2.90	9 3.20	9 4.25	12 6.05
.....	7 1.35	8 1.65	8 1.85	9 2.30	9 2.50	10 3.15	10 3.50	10 4.65	13 6.70
.....	8 1.50	9 1.90	9 2.10	10 2.65	10 2.90	11 3.65	11 4.10	11 5.35	14 7.35
.....	.....	10 2.15	10 2.40	11 3.00	11 3.35	12 4.10	12 4.65	12 5.95	15 8.65
.....	.....	.....	11 2.65	12 3.35	12 3.70	13 4.55	13 5.85	13 6.65	16 9.50
.....	.....	.....	12 3.00	13 3.70	13 4.10	14 5.05	14 5.85	14 7.60	17 10.45
.....	.....	.....	13 3.85	14 4.10	14 4.55	15 5.60	15 6.55	15 8.35	18 12.40
.....	.....	.....	14 3.70	15 4.55	15 5.05	16 6.65	16 7.20	16 9.15	20 14.50
.....	.....	.....	15 4.10	16 5.05	16 5.60	17 7.40	17 7.85	17 10.85	22 16.85
.....	.....	.....	.....	.....	.....	18 9.35	18 9.35	18 12.65	24 18.90
.....	.....	.....	.....	.....	.....	20 10.45	20 14.50	.....	.....

2 IN.	$2\frac{1}{4}$ IN.	$2\frac{1}{2}$ IN.	$2\frac{3}{4}$ IN.	3 IN.	$3\frac{1}{2}$ IN.	4 IN.	$4\frac{1}{2}$ IN.	5 IN.	6 IN.
No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price	No. Price
6 \$5.15	8 \$6.85	9 \$9.40	9 \$11.50	10 \$13.70	10 \$15.85	12 \$18.60	14 \$22.60	16 \$26.90	16 \$31.00
7 5.20	9 6.95	10 9.50	10 11.65	11 13.85	11 16.00	13 18.80	15 22.80	17 29.60	17 34.05
8 5.25	10 7.05	11 9.60	11 11.80	12 14.00	12 16.15	14 19.00	16 23.40	18 35.50	18 40.80
9 5.30	11 7.25	12 9.70	12 11.95	13 14.10	13 16.30	15 19.25	17 25.75	20 40.70	20 46.80
10 5.40	12 7.90	13 9.85	13 12.10	14 14.30	14 16.45	16 20.35	18 30.90	22 47.60	22 54.75
11 6.15	13 8.80	14 10.75	14 12.25	15 14.60	15 16.60	17 22.30	20 35.40	24 53.80	24 61.90
12 6.85	14 9.80	15 11.85	15 13.50	16 15.40	16 17.70	18 26.90	22 41.40	26 62.60	26 72.95
13 7.55	15 10.75	16 13.00	16 14.20	17 16.80	17 19.40	20 30.80	24 46.80	28 72.15	28 82.95
14 8.45	16 11.90	17 14.30	17 15.65	18 19.95	18 22.75	22 36.00	26 54.40	30 82.95	30 93.35
15 9.75	17 13.00	18 16.95	18 18.40	20 23.40	20 26.90	24 40.70	28 62.70	.....	.....
16 10.70	18 15.40	20 19.85	20 21.60	22 27.10	22 31.20	26 47.35	30 72.15	.....	.....
17 11.70	20 18.00	22 23.00	22 25.00	24 31.15	24 35.80	28 54.55	.....	.....	.....
18 13.90	22 20.95	24 25.50	24 28.00	26 35.85	26 41.20	30 62.70	.....	.....	.....
20 16.30	24 23.30	.....	.....	28 41.15	28 47.45	.....	.....	.....	.....
22 18.90	.....	.....	.....	30 47.45	30 54.55	.....	.....	.....	.....
24 21.00	.....	.....	.....	.....	.....	.....	.....	.....	.....

Additional varieties invoiced from this list at varying discounts: Flat, round, fillister, and oval head screws, of brass, copper, bronze or phosphor-bronze, bronzed or lacquered.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

IRON AND BRASS MACHINE SCREWS

FLAT, ROUND AND FILLISTER HEADS



Flat Head



Round Head



Fillister Head

IRON

Price, per Gross

Length Inches	No. OF SCREW													
	2 and 3	4	5	6	7 and 8	9 and 10	12	14	16	18	20	24	30	34
	STANDARD THREADS PER INCH													
	48, 56 64	32, 36, 40	30, 32, 36	30, 32, 36	24, 30	20, 24	18, 20	16, 18, 20	16, 18	14, 16	14, 16	13		
1/8	.30	.30	.35	.35	.40	....	....	....	....	....	....	....	....	....
3/8	.30	.30	.35	.35	.40	.60	....	....	....	....	....	....	....	....
1/4	.30	.30	.35	.35	.40	.60	.70	.85	....	....	....	....	....	....
5/8	.32	.32	.37	.37	.44	.65	.75	.90	1.15	....	....	....	....	....
3/4	.32	.32	.37	.37	.44	.65	.75	.90	1.15	1.50	1.90	2.30	....	....
7/8	.34	.34	.39	.39	.48	.70	.80	.95	1.20	1.60	2.00	2.40	....	....
1 1/2	.34	.34	.39	.39	.48	.70	.80	.95	1.20	1.60	2.00	2.40	....	....
9/8	.37	.37	.42	.42	.52	.75	.85	1.00	1.25	1.70	2.10	2.50	....	....
5/8	.37	.37	.42	.42	.52	.75	.85	1.00	1.25	1.70	2.10	2.50	....	....
3/4	.41	.41	.46	.46	.56	.80	.90	1.05	1.30	1.80	2.20	2.60	4.00	5.10
7/8	.45	.45	.50	.50	.60	.85	.95	1.15	1.40	1.90	2.30	2.70	4.25	5.85
1	....	.50	.55	.55	.65	.90	1.00	1.25	1.50	2.00	2.40	2.80	4.50	6.60
1 1/8	....	.55	.60	.60	.70	1.00	1.10	1.35	1.60	2.20	2.60	3.00	5.00	7.00
1 1/4	....	.60	.65	.65	.75	1.10	1.20	1.45	1.75	2.40	2.80	3.20	5.25	7.35
1 3/8	....	.65	.70	.70	.80	1.20	1.30	1.55	1.90	2.60	3.00	3.40	5.75	8.00
1 1/2	....	.70	.75	.75	.85	1.30	1.40	1.65	2.10	2.80	3.20	3.60	6.00	8.00
1 3/4	....	.90	.95	.95	1.05	1.50	1.60	1.85	2.50	3.20	3.60	4.20	6.65	8.60
2	....	1.10	1.15	1.15	1.25	1.70	1.80	2.20	2.90	3.60	4.00	4.60	7.35	9.40
2 1/4	....	....	1.25	1.25	1.45	1.90	2.20	2.60	3.30	4.00	4.40	4.80	8.00	10.30
2 1/2	....	....	....	....	1.65	2.20	2.50	2.80	3.50	4.40	4.90	5.30	8.90	11.50
2 3/4	....	....	....	....	1.90	2.50	2.90	3.20	4.00	4.90	5.40	5.90	9.85	....
3	....	....	....	....	2.30	2.90	3.50	3.80	4.50	5.60	6.00	7.40	11.00	....
3 1/4	....	....	....	....	....	3.30	4.25	4.50	5.50	6.50	7.00	8.80	13.00	....
3 1/2	....	....	....	....	....	3.75	5.00	5.25	6.50	7.50	8.50	10.10	15.00	....

BRASS

1/8	.32	.36	.46	.46	.70	....	....	....	....	....	....	....	....	....
3/8	.32	.36	.46	.46	.70	1.00	....	....	....	....	....	....	....	....
1/4	.32	.36	.46	.46	.70	1.00	1.25	1.65	....	....	....	....	....	....
5/8	.34	.38	.49	.49	.75	1.05	1.35	1.75	....	....	....	....	....	....
3/4	.36	.40	.52	.52	.80	1.10	1.45	1.85	2.90	3.70	4.60	5.50	....	....
7/8	.38	.42	.55	.55	.85	1.15	1.55	2.00	3.05	3.90	4.80	5.60	....	....
1 1/2	.40	.44	.58	.58	.90	1.25	1.65	2.15	3.20	4.10	5.00	5.75	....	....
9/8	.43	.47	.62	.62	.95	1.35	1.75	2.30	3.35	4.30	5.25	6.30	....	....
5/8	.46	.50	.66	.66	1.00	1.45	1.85	2.45	3.50	4.50	5.50	6.50	....	....
3/4	.52	.56	.74	.74	1.10	1.65	2.05	2.75	3.80	4.90	6.00	6.70	....	15.75
7/8	.58	.62	.82	.82	1.20	1.85	2.25	3.05	4.10	5.30	6.50	7.40	....	17.10
1	....	.70	.90	.90	1.30	2.05	2.45	3.35	4.40	5.70	7.00	8.50	15.75	18.50
1 1/8	....	.80	1.05	1.05	1.45	2.20	2.65	3.55	4.65	6.00	7.50	9.00	....	....
1 1/4	....	.90	1.20	1.20	1.60	2.35	2.85	3.75	4.90	6.30	8.00	9.90	18.75	22.10
1 3/8	....	1.00	1.35	1.35	1.75	2.50	3.05	3.95	5.20	6.60	8.50	11.50	....	....
1 1/2	....	1.10	1.50	1.50	1.90	2.65	3.25	4.15	5.50	6.90	9.00	12.00	22.50	26.65
1 3/4	....	1.40	1.90	1.90	2.30	3.05	3.75	4.65	6.20	7.70	10.00	12.70	24.25	28.10
2	....	1.70	2.30	2.30	2.70	3.45	4.25	5.15	7.00	8.60	11.00	13.50	26.00	30.20
2 1/4	....	....	2.70	2.70	3.10	3.85	4.75	5.65	8.00	9.75	12.00	14.90	28.00	32.95
2 1/2	....	....	....	....	....	4.65	5.80	6.80	9.00	10.50	13.50	15.50	30.50	35.65
2 3/4	....	....	....	....	....	6.00	7.00	8.00	10.00	12.50	15.00	17.00	33.00	....
3	....	....	....	....	....	7.50	8.50	9.50	11.00	15.00	16.50	19.00	36.00	....
3 1/4	....	....	....	....	....	9.00	10.50	11.50	15.00	17.50	18.50	22.50	39.50	....
3 1/2	....	....	....	....	....	11.00	12.50	15.00	18.00	19.50	22.00	25.50	42.75	....

Any size of screws, not listed above, shall take the list price of the next larger or longer length.

*No. 3 not made in 64 threads. †No. 7 not made in 36 threads.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SCREWDRIVERS AND TOOL SETS



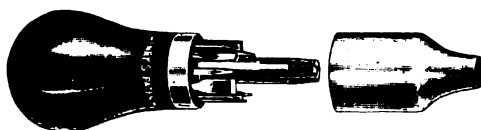
Champion, Cabinet Style



Champion, Electricians' Style



Assembler's



No. 046361



No. 046362



No. 046363

CHAMPION SCREWDRIVERS

Cabinet Style

Trade No.	Length of Blade, In.	Price per Doz.
046343	2½	\$3.00
046344	3½	3.50
046345	4½	4.50
046346	5½	5.50
046347	6½	6.50
046348	8½	8.00
046349	10½	9.50
046350	12½	11.00

Electrician's Style

Trade No.	Length of Blade, In.	Price per Doz.
127257	2½	3.00
127258	3½	3.50
127259	4½	4.50
127260	5½	5.50
127261	6½	6.50
127262	8½	8.00
127263	10½	9.50
127264	12½	11.00

ASSEMBLERS' SCREWDRIVERS

Trade No.	Mfrs. No.	Nos. of Screws	Finish	Price Each
046340	671B	1 to 4	Nickel-plated	\$0.50
046341	672	3 to 5	Polished	.70
046342	673	5 to 7	Polished	.70

COMBINATION TOOL SETS

Makes a convenient tool for light jobbing and repairing. No danger of handle splitting, for it is solid wood. After removing the metal cap, the tools all stand in view for selection. Special pains are taken to make these tools first-class in all respects.

Cocobolo handle, steel cap and ferrule nickel-plated.

Trade No.	Description	Price Each
046361	Combination tool set	\$1.10

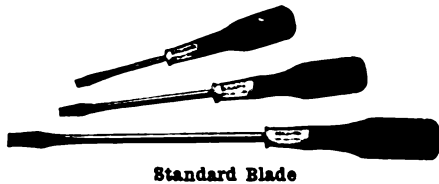
HOLLOW HANDLE TOOL SETS

The handle and tools are first-class in every respect. The handle is cocobolo wood. The jaws, clamping nut and ferrule are nickel-plated. The shanks of the tools are ⅜ of an inch and are squared largest at the end to prevent their drawing out of the socket when in use. They are made of cast steel, properly tempered.

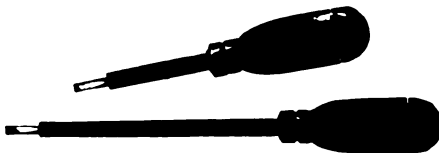
046362	10 Cast steel tools	1.00
046363	9 Cast steel tools	2.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

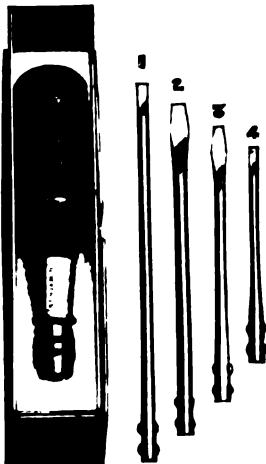
BENJAMIN SCREWDRIVERS AND TOOL SETS



Standard Blade



Insulated Blade



Screwdriver Set, No. 1



Tool Set, No. 4

SCREWDRIVERS WITH FRICTION DRIVE HANDLES

The Benjamin Friction Drive Cap revolves freely, and engages with the handle under ordinary working pressure without loss of motion.

The handle, ferrule and blade are permanently made into one inseparable unit by means of the Benjamin Locking Device. Each blade is of high grade tool steel, well finished and tempered.

With Standard Blade
3/8-inch Diameter

Trade No.	Mfrs. No.	Length of Blade, In.	Std. Pkg.	Wt., Lbs. per Doz.	Price per Doz.
056219	A-33	3	144	1 ⁵ / ₈	\$2.40
056220	A-34	4	144	2	3.00
056221	A-35	5	144	2 ¹ / ₈	3.60
056222	A-36	6	144	2 ¹ / ₄	4.20
056223	A-38	8	144	2 ¹ / ₂	4.80

1/4-inch Diameter

056224	B-43	3	144	2 ³ / ₄	3.00
056225	B-44	4	144	2 ⁵ / ₈	3.60
056226	B-45	5	144	3 ¹ / ₈	4.20
056227	B-46	6	144	3 ³ / ₈	4.80
056228	B-48	8	144	3 ³ / ₄	5.40

3/8-inch Diameter

87282	C-53	3	144	3 ¹ / ₂	3.60
87283	C-54	4	144	3 ³ / ₄	4.20
87284	C-55	5	144	4	4.80
87285	C-56	6	144	4 ¹ / ₄	5.40
87286	C-58	8	144	4 ⁷ / ₈	6.00

With Insulated Blade

The entire blade, with the exception of the tip, is covered with hard rubber tubing molded securely into the handle. Reliable breakdown tests show first rupture of insulation at 11000 volts. The insulated covering of blade is 3/8-inch diameter, and the blade is 3/8-inch diameter with cabinet end.

27847	E-33	3	144	3 ¹ / ₄	6.60
27848	E-36	6	144	3 ⁷ / ₈	8.40

SCREWDRIVER SET, No. 1

Set No. 1 consists of one friction drive handle with four-jaw screw chuck and four screwdriver blades put up in a box. The four blades are of different lengths, diameters and shapes and cover a large range of work.

Trade No.	Mfrs. No.	No. of Blades	Std. Pkg.	Wt., Lbs. per Doz.	Price per Doz.
87287	S-1	4	12	6 ³ / ₄	\$10.80

TOOL SET, No. 4

Tool set No. 4 consists of one friction drive handle with four-jaw screw chuck and the five screwdriver blades and eight additional tools, including gimlet bits, awls, countersink, reamer, tap holder and die holder taking 5/8-inch round dies.

87288	S-4	13	12	10	27.00
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AUTO TOOL SET, No. 7

Auto set No. 7 has spark plug scraper and double-ended alligator wrench in place of tap and die holders; otherwise it is similar to No. 4 and makes a convenient set for the autoist.

87289	S-7	12	12	10	27.00
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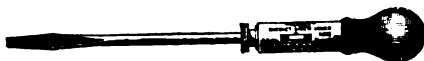
Friction drive screwdrivers are packed six of one size and style in a box and are sold in unbroken boxes only.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

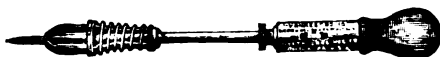
YANKEE SCREWDRIVERS



No. 10



No. 15



No. 115



No. 65



No. 12



No. 60



No. 20



No. 30



No. 31



No. 35



No. 100

RATCHET SCREWDRIVERS

No. 10

Shifter moves in direction of length of blade.

Trade No.	Lgth. Blade Inches	Price Each	Trade No.	Lgth. Blade Inches	Price Each
054707	2	\$0.40	054711	6	\$0.65
054708	3	.45	054712	8	.75
054709	4	.50	054713	10	.90
054710	5	.55	054714	12	1.00

No. 15

Similar to No. 10, but all sizes have $\frac{3}{8}$ -inch diameter blade and differ only in length.

054715	2	.40	054717	4	.50
054716	3	.45	054718	5	.55

No. 110

Same as No. 10, but with screw holder attachment.

054719	3	.70	054722	6	.85
054720	4	.75	054723	8	.95
054721	5	.80	.....	..	...

No. 115

Same as No. 15, but with screw holder.

054724	3	.65	054726	5	.75
054725	4	.70	.....	..	...

No. 65

Has four sizes of blades to fit in shank and kept in magazine handle.

054730	1	1.00	054731	6	1.15
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No. 12

Same as 6-inch, No. 11, but with blade only $1\frac{1}{8}$ inches long.

Trade No.	Length, Blade Inches	Price Each
054727	6	\$0.60

No. 60

Pocket screwdriver; four different sizes of blades kept in magazine handle.

054728	..	.70
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SPIRAL RATCHET SCREWDRIVERS

No. 20

Right-hand only and rigid, for driving screws only.

Trade No.	Length Inches	Lgth., Exten. Inches	Price Each
054729	Size 1	14	\$1.25
054732	Size 2	17	1.50
054733	Size 3	19	1.75

No. 30

Regular pattern, right and left-hand, and rigid.

054734	13 $\frac{1}{2}$	19 $\frac{1}{2}$	1.95
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No. 31

Same as No. 30, but heavier and stronger.

054735	17 $\frac{1}{2}$	26 $\frac{1}{4}$	2.50
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No. 35

Similar to No. 30, but lighter, for small screws and to carry in pocket.

054736	9 $\frac{1}{8}$	12 $\frac{3}{8}$	1.50
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No. 130

Quick return, same as No. 30, with spring in handle, causing handle to automatically come back for the next push.

054737	15	20 $\frac{1}{2}$	2.25
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TOOL SETS

Trade No.	Mfrs. No.	Size, Box Inches	Price Each
054738	100	12 $\frac{1}{2}$ x4 $\frac{3}{4}$ x2 $\frac{3}{4}$	\$5.25

No. 100 tool set contains the following: One No. 30 spiral ratchet screwdriver. Chuck with drill points, eight sizes— $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, and $\frac{1}{2}$ -inch and countersink. No. 11 ratchet screwdriver with 6-inch blade. No. 15 ratchet screwdriver with finger turn on blade, with blade 3 inches long. Box is made of oak.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

YANKEE AUTOMATIC DRILLS

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 054739



No. 054740



No. 054741



No. 054754



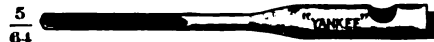
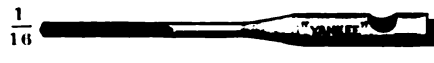
No. 054742



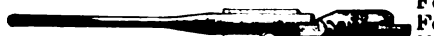
No. 054743



No. 054753



Nos. 054745 and 054746



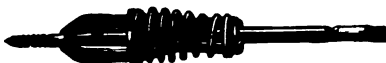
No. 054755



No. 054756



No. 054757



No. 054758

AUTOMATIC DRILLS

Trade No.	Size, Drill Inches	Length Inches	Price Each
054739	$\frac{1}{8}$ - $\frac{1}{4}$	10 $\frac{3}{4}$	\$1.75

Has N. P. brass magazine head and handle.

054740	$\frac{1}{8}$ - $\frac{1}{4}$	11 $\frac{1}{2}$	1.75
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Has N. P. brass magazine head and handle.

054741	$\frac{1}{8}$ - $\frac{1}{4}$	11 $\frac{1}{2}$	1.35
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No. 42 is of the same construction as No. 41 except is without magazine in head and has wood instead of metal handle.

054754	$\frac{1}{8}$ - $\frac{1}{4}$	10 $\frac{3}{4}$.90
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No. 43 is a modification of No. 42. Is for lighter work and not adapted for drills larger than $\frac{1}{2}$ inch.

054742	$\frac{1}{8}$ - $\frac{1}{4}$	11 $\frac{1}{4}$	1.95
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No. 44 is provided with adjustable tension for the adjustment of different sizes of drills. Has N. P. brass magazine head and handle.

RECIPROCATING DRILLS

054743	16	2.80
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No. 50 is designed for drilling in steel, iron, brass and other metals as well as wood. Will hold any drill with straight shank. $\frac{1}{2}$ -inch or smaller. Traverse, 8 $\frac{1}{2}$ inches. Length of drill, 16 inches.

PUSH BRACES

054753	16 $\frac{1}{4}$	23 $\frac{1}{2}$	3.20
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DRILL POINTS

054744	Complete set of 8 points.....	Price per Set
		\$0.80

Extra Drill Points

Trade No.	Size Inches	Price Each
054745	$\frac{1}{8}$	\$0.18
054746	$\frac{3}{16}$	.18
054747	$\frac{1}{4}$	.18
054748	$\frac{5}{16}$	.18
054749	$\frac{3}{8}$	.18
054750	$\frac{7}{16}$	.18
054751	$\frac{1}{2}$	.18
054752	$\frac{5}{8}$	.18

ATTACHMENTS FOR SPIRAL SCREW-DRIVERS

For No. 30, have shanks $\frac{1}{8}$ in. diam. and fit No. 20 size 2
 For No. 31, have shanks $\frac{1}{8}$ in. diam. and fit No. 20 size 3
 For No. 35, have shanks $\frac{1}{4}$ in. diam. and fit No. 20 size 1
 The shanks are same diameter as regular bit where it fits in chuck and spiral driver.

CHUCKS

Trade No.	Price per Set
054755	With 8 drill points $\frac{1}{8}$ to $\frac{1}{2}$, inclusive \$0.65

COUNTERSINKS

054756	Sizes for all No. 20's 30, 32, 35.....	.15
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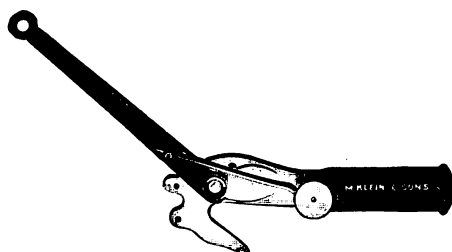
BIT WITH SCREW EYE HOLDER ATTACHMENT

054757	Sizes for No. 20's, 30, 3535
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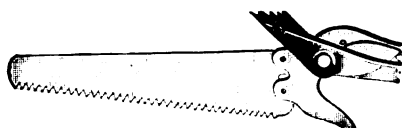
BIT WITH SCREW HOLDER ATTACHMENT

054758	For Nos. 30 and 20 size 2.....	.35
054759	For Nos. 31 and 20 size 3.....	.35
055014	For Nos. 35 and 20 size 1.....	.30

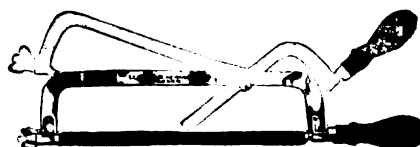
SAWS



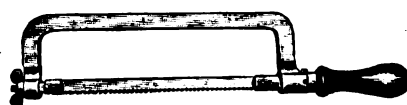
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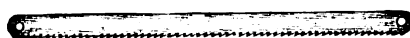
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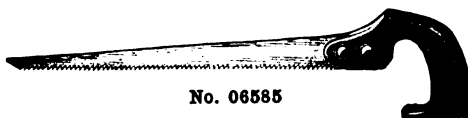
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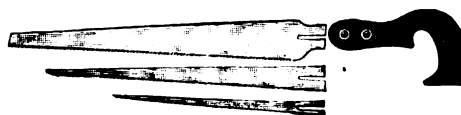
No. 06573



No. 06580



No. 06585



No. 06591



No. 906-14



No. 06595

FAVORITE TREE TRIMMERS

Trade No.	Mfrs. No.	Length Inches	Price Each
06517	3600-20	19	\$4.00
06518	3600-21	21	5.60

No. 3600-21 is the same size as No. 3600-20 only arranged with saw.

Saw only

06516	913-12	12	1.50
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TRIMMER HANDLES

Trade No.	Mfrs. No.	Description	Price Each
06519	3601-9	18-foot length....	\$1.80
06520	3601-18	Two 9-foot handles, joined with ferrule.....	3.00

HACK SAW FRAMES

Adjustable		Price per Doz.
Trade No.	Description	
06572	No. 50A, nickel-plated....	\$24.00
Solid		
06573	8-in., nickeled.....	9.00
06574	10-in., nickeled.....	10.00

TRACK HACK SAW FRAMES

06579	12-in. blade, 10 in. depth..	18.00
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HACK SAW BLADES

Trade No.	Length Inches	Price per Doz.
06580	8	\$0.70
06581	9	.75
06582	10	.85
06584	12	1.00

COMPASS SAWS

Trade No.	Length Inches	Price per Doz.
06585	10	\$4.25
06586	12	4.50
06587	14	4.75
06589	16	5.00
06590	18	5.25

INTERCHANGEABLE SAWS

Trade No.	Description	Price Each
06591	Keyhole, compass and pruning saw set.	\$2.00

KEYHOLE SAWS

06592	Complete50
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CABLEMEN'S SAWS

Trade No.	Mfrs. No.	Length Inches	Description	Price Each
06594	906-14	14	Double edge.	\$2.00

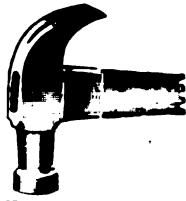
HAND, PANEL AND RIPSAWS

Crucible steel, apple-wood handle, skew or straight back.

Trade No.	Length Inches	Price per Doz.	Trade No.	Length Inches	Price per Doz.
06595	16	\$14.50	06598	22	\$19.50
06596	18	16.00	06599	24	21.00
06597	20	17.50	06600	26	22.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TOOLS



No. 063629



No. 063632

BELL-FACED NAIL HAMMERS

Solid Forged Steel, Polished

Trade No.	Size	Weight	Price per Doz.
063629	2	13 ounces	\$8.00
063630	1½	1 pound	8.50
063631	1	1¼ pounds	9.00

MACHINISTS' HAMMERS

Forged Steel, Ball Pein

Trade No.	Size	Weight	Price per Doz.
096868	0000	6	12.00
096869	000	6	12.00
063632	00	12 ounces	12.00
063633	0	1 pound	12.50
063634	1	1¼ pounds	13.50
063635	2	1½ pounds	14.50
063636	3	1¾ pounds	15.50

RIVETING HAMMERS

Forged Steel

Trade No.	Size	Weight	Price per Doz.
096870	1	7 ounces	5.75
096871	2	9 ounces	6.00
063637	3	12 ounces	6.25
063638	4	15 ounces	6.50
063639	5	18 ounces	7.00
063640	6	22 ounces	7.50

BROAD HATCHETS

Trade No.	Mfrs. No.	Size of Cut Inches	Price per Doz.
063641	362	4½	\$14.00
063642	363	5	15.00
063643	364	5½	17.00
063644	365	6	19.00

CHOPPING AXES

Trade No.	Weight Pounds	Price per Doz.
096872	4 to 5	\$18.00
096873	5 to 6	21.00

COMMON COLD CHISELS

Octagon Tool Steel, Forge Finished

Trade No.	Size Inches	Wt., Lbs. per Doz.	Price per Lb.
063645	3/8 x 5½	21¼	\$0.38
063646	1/2 x 6	4	.38
063647	5/8 x 7	7	.38
063648	3/4 x 8	10	.38
063649	7/8 x 8½	15	.38
063650	1 x 9	21	.38

SOCKET FRAMING CHISELS

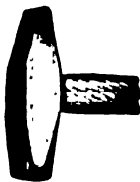
Cast Steel, Polished, Hickory Handle

Trade No.	Size Inches	Price per Doz.
063651	3/8	\$9.00
063652	1/2	9.00
063653	3/4	10.00
063654	1	11.00
063655	1¼	12.00
063656	1½	13.00
063657	1¾	14.50
063658	2	16.00

LINEMEN'S DRAW KNIVES

Trade No.	Blade Inches	Price per Doz.
063659	12	\$21.60
063660	14	25.20

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 063637



No. 063641



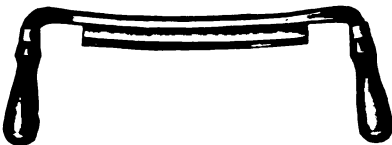
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No. 063645



No. 063651



No. 063659

WRENCHES



Combination Tire Wire Server
Wire Splicer and Sleeve Twister



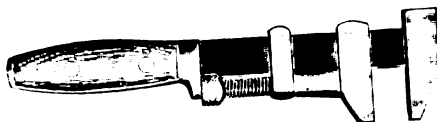
Steel Lag Screw Wrench



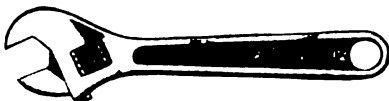
Combination Lag Screw Wrench



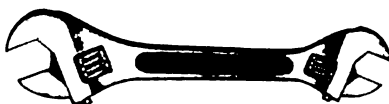
Stillson Pattern Wrench



Monkey Wrench



Crescent Adjustable Wrench, Single End



Crescent Adjustable Wrench, Double End

COMBINATION TIE WIRE SERVER, WIRE
SPLICER AND SLEEVE TWISTER

W. U. style. For tying in with Nos. 7 to 11 B. & S. gauge wire; for splicing Nos. 8 to 9 B. W. gauge, or 6 to 8 B. & S. gauge wire, and for twisting Nos. 9 and 10 B. S. gauge sleeves.

Trade No.	Mfrs. No.	Length Inches	Price Each
045246	3105-20	7	\$2.50

STEEL LAG SCREW WRENCHES

Trade No.	Mfrs. No.	Description	Price Each
045253	3110-20	For $\frac{3}{8}$ to $\frac{5}{8}$ -inch lag screws galvanized..	\$2.50

COMBINATION LAG SCREW WRENCHES

045254	3109-20	For $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{5}{8}$ -inch lag screws and $\frac{5}{8}$ -inch machine bolts, galvanized.....	3.00
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STILLSON PATTERN WRENCHES

Trade No.	Takes Pipe, In.	Length Inches	Price Each
045222	$\frac{1}{2}$	6	\$2.00
045223	$\frac{3}{4}$	8	2.00
045224	1	10	2.25
045225	$1\frac{1}{2}$	14	3.00
045226	2	18	4.00
045227	$2\frac{1}{2}$	24	6.00
045228	$3\frac{1}{2}$	36	12.00
045229	5	48	18.00

Wood handle, 6 to 14 inches; steel handle, 6 to 48 inches.

SOLID HANDLE MONKEY WRENCHES

Black Finish

Trade No.	Length Inches	Opens Inches	Price per Doz.
101998	6	$\frac{7}{8}$	\$ 9.00
101999	8	$1\frac{1}{4}$	10.00
102000	10	$1\frac{3}{4}$	12.00
102001	12	$2\frac{1}{8}$	14.00
102002	15	$2\frac{3}{4}$	24.00
102003	18	$3\frac{1}{8}$	30.00
102004	21	$4\frac{1}{4}$	36.00

CRESCENT ADJUSTABLE WRENCHES

Single End—Polished Finish

102005	4	$\frac{1}{2}$	7.80
102006	6	$\frac{3}{4}$	7.80
102007	8	$\frac{5}{8}$	9.60
102008	10	$1\frac{1}{4}$	12.00
102009	12	$1\frac{5}{8}$	15.00
102010	15	$1\frac{11}{16}$	19.20
101125	18	$2\frac{1}{8}$	27.00

Double End—Polished Finish

101126	6-8	$\frac{3}{4}$ - $\frac{15}{16}$	15.00
101127	8-10	$\frac{15}{16}$ - $1\frac{1}{8}$	18.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CONDUIT BENDERS



Fullman



Lakin



Rex

FULLMAN CONDUIT BENDERS

Trade No.	Mfrs. No.	Size Inches	No. of Degrees	Price Each
027047	900	1/2	90	\$3.20
027048	901	1/2	45	3.20
027049	902	3/4	90	4.30
027050	903	3/4	45	4.30

LAKIN CONDUIT HICKEYS

Screw a piece of 1-inch pipe in the other end of coupling. Never necessary to throw away the hickey, even if the handle breaks; simply unscrew the coupling.

Trade No.	Size of Pipe Inches	Std. Pkg.	Price Each
020439	1/2	10	\$1.75
020440	3/4	5	2.25

REX CONDUIT BENDERS

Trade No.	Description	Price Each
41825	For 1/2 to 1 1/4-inch conduit.....	\$6.00

RITTENHOUSE CONDUIT BENDERS

Trade No.	Mfrs. No.	Description	Price Each
020433	1	Complete, for 1/2-in. pipe.....	\$2.75
020434	1	Head only, tapped for 1 1/4-in. handle	2.00
020435	2	Complete, for 3/4-in. pipe.....	3.00
020436	2	Head only, tapped for 1 1/4-in. handle	2.25
020437	5A	Adjustable, complete, for 1/2 or 3/4-in. pipe.....	3.75
020438	5A	Adjustable, head only, for 1/2 or 3/4-in. pipe.....	3.00

BOSS SELF-ADJUSTING CONDUIT HICKEYS

This hickey will bend conduit in any shape from 1/8 to 1-inch, without having to be adjusted in any way. The natural pull on the handle fits the hickey to the conduit with a positive grip which prevents it from slipping.

Trade No.	Description	Wt. Lbs.	Price Each
41828	For 1/8 to 1-inch conduit..	8	\$9.00

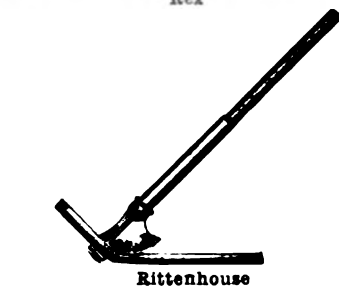
STANDARD CONDUIT ELBOW FORMERS

This is practical conduit elbow former, which forms standard shaped elbows perfectly and accurately, exactly where they are wanted. Saves time and also material by eliminating the waste of pipe.

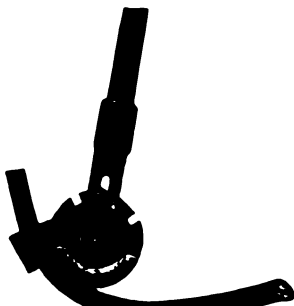
Trade No.	Description	Price Each
020441	For 1/2 or 3/4-inch pipe	\$30.00

BURRING REAMERS

Trade No.	Capacity of Pipe, In.	Style Shank	Price Each
018843	1/8 to 1/2	Bit brace	\$1.00
018844	3/8 to 1	Bit brace	1.25
018845	1 to 2	Bit brace	3.50
018846	3/8 to 1	1/2-inch round	1.25



Rittenhouse



Boss



Standard

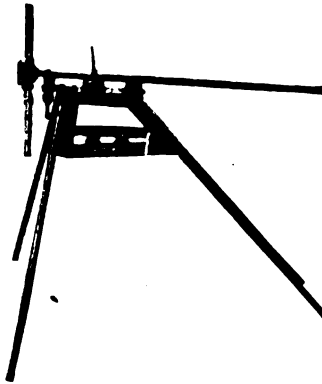


Burring Reamer

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PIPE VISES

MARTIN PORTABLE VISE STAND AND PIPE BENDER



Used As a Vise Stand



Used As a Pipe Bender

This is a device that can be used in the shop or readily carried about from place to place. It will save many hours of time and will practically pay for itself every time it is used.

The stand is equipped with a No. 1 Vulcan Vise. When pipe is to be cut or threaded it is fastened in the vise, and the bender then acts as a guide and rest. The pipe is absolutely rigid and can be threaded or cut with ease. The front legs of the stand are almost perpendicular so that short nipples can be threaded or short pieces cut without the handles of the stocks striking them.

This device will bend pipe or conduit from $\frac{1}{8}$ to $\frac{3}{4}$ inch in diameter and will positively not kink. The rear legs of the stand are at an obtuse angle so that great pressure may be exerted down on the pipe without tilting or upsetting the stand.

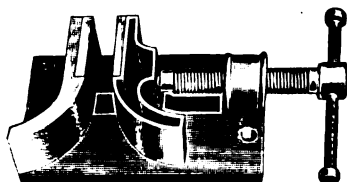
This apparatus requires no bolts, screws, or fastenings of any kind. It is simply set in the middle of the floor and it stays there, ready for all purposes.

The stand proper is made of No. 16 sheet iron thoroughly riveted and braced with angle irons. The legs are made of $\frac{3}{4}$ -inch pipe and slip into sockets when stand is set up.

The side braces make a convenient place for wrenches, cutters, etc. When the stocks are not in use, they can be placed on these braces and the oil will drain off without running down the handles. Weight, 45 pounds.

Trade No.	Description	Price Each
135486	Without vise and legs	\$19.00
135487	With vise and without legs	23.70
135488	With legs and without vise	20.50
135489	With vise and legs, complete.....	25.20

ECONOMY PIPE VISE AND BENDER



No. 020284

This device will enable a workman to handle one-third more pipe in a day than he could ordinarily. Will bend pipe faster than is possible with a hickey, and every bend is perfect.

Clean the threads, ream and bend before removing pipe from the vise.

It is impossible to kink the pipe with this machine.

Trade No.	Description	Price Each
020284	Pipe vise and bender.....	\$10.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PIPE VISES AND CUTTERS

Vulcan Chain
Pipe Vise

Trade No.	Mfrs. No.	Holds Pipe Size, Inches	Price Each
25052	1	$\frac{1}{8}$ to 2	\$3.50
25053	2	$\frac{1}{4}$ to 4	7.50
063767	4	$\frac{3}{8}$ to 8	18.00

Extra Parts for Vulcan Chain Pipe Vises

	For No. 1		For No. 2		For No. 4	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
Jaws, per pair...	063768	\$1.50	063900	\$3.50	063905	\$9.00
Chain with screw	063769	1.25	063901	2.40	063906	6.00
Handle and nut.	063770	1.10	063902	2.10	063907	3.50
Screw.....	063771	.40	063903	.70	063908	1.25
Nut.....	063774	.70	063899	1.35	063880	2.00



Nye Pocket Vise

Trade No.	Mfrs. No.	Holds Pipe Size, Inches	Wt. Lbs.	Price Each
25036	1	$\frac{1}{8}$ to $1\frac{1}{4}$	$1\frac{1}{2}$	\$2.50
25037	2	$\frac{1}{8}$ to 2	$2\frac{1}{2}$	3.50

NYE POCKET VISES

NYE PIPE VISES

The body is one solid piece, having no hinge. The lower jaw is a heavy double jaw screwed on the main casting in such a way that every piece can be removed and replaced at any time.

Trade No.	Description	Price Each
063764	For $\frac{1}{8}$ to 2-inch pipe	\$4.00

CRANE MALLEABLE IRON PIPE VISES

The malleable iron pipe vise is preferable to cast iron vise in every respect. Has interchangeable cut steel jaws, and is constructed to do the heaviest work.

Trade No.	Mfrs. No.	Holds Pipe Size, Inches	Wt. Lbs.	Price Each
063765	1	$\frac{1}{8}$ to 2	16	\$10.00
063766	2	$\frac{1}{8}$ to 3	30	14.00



Nye Pipe Vise



Crane Pipe Vise

ECK PIPE CUTTERS

Trade No.	Cuts Pipe Size, Inches	Price Each	Extra Cutter Wheels
063897	$\frac{1}{8}$ to 1	\$3.00	\$0.40
063898	$\frac{1}{2}$ to 2	5.00	.50

SAUNDERS PIPE CUTTERS

Trade No.	Mfrs. No.	Cuts Pipe Size, Inches	Price Each
063881	1	$\frac{1}{8}$ to 1	\$3.00
063882	2	1 to 2	4.50
063883	3	2 to 3	11.00
063884	4	$2\frac{1}{2}$ to 4	18.00

Extra Wheels

Trade No.	For Mfrs. No.	Price, Each
063889	1	\$0.24
063890	2	.32
063891	3	.60
063892	4	.60

BARNES THREE-WHEEL PIPE CUTTERS

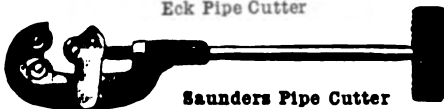
Trade No.	Mfrs. No.	Cuts Pipe Size, Inches	Price Each
063885	1	$\frac{1}{8}$ to 1	\$4.50
063886	2	$\frac{1}{2}$ to 2	6.00
063887	3	$1\frac{1}{2}$ to 3	10.00
063888	4	$2\frac{1}{2}$ to 4	20.00

Extra Wheels

Trade No.	For Mfrs. No.	Price Each
063893	1	\$0.25
063894	2	.30
063895	3	.40
063896	4	.50



Eck Pipe Cutter



Saunders Pipe Cutter

Barnes Pipe
Cutter

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

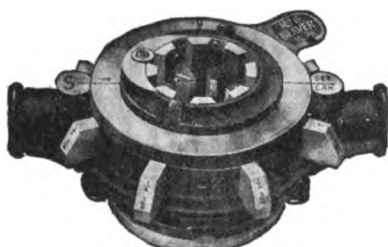
BEAVER PIPE CUTTERS AND DIE STOCKS



No. 5



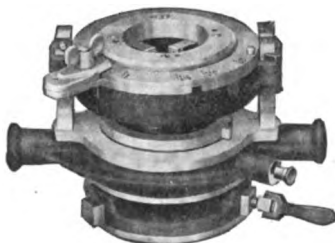
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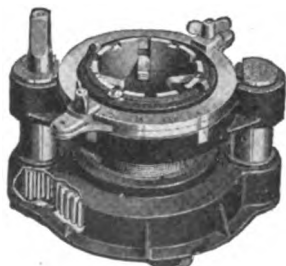
No. 6



No. 25



No. 26 with Ratchet



Nos. 41 and 61

BEAVER SQUARE-END PIPE CUTTERS

Leave no burr to ream out or file off, and gives a square pipe end on which threading dies start easier, last longer and run straight. Will not split the pipe. Excellent for cutting conduit.

Trade No.	Mfrs. No.	Cuts Pipe Size, Inches	Wt. Lbs.	Price Each
65623	1	$\frac{1}{8}$ to 1	8	\$18.00
65624	5	$\frac{1}{2}$ to 2	13	20.00
65625	10	$2\frac{1}{2}$ to 4	53	90.00

Extra knives for No. 1, per set \$1.20; No. 5, per set, \$1.50; No. 10, per set, \$2.50.

WARREN DIE STOCKS

The Warren Stocks have wide non-receding chaser dies and thread two sizes of pipe without changing dies; are adjustable and have bushings for each size pipe. Ideal tool for electrical contractors.

Trade No.	Mfrs. No.	Cutting Range Inches	Net Wt., Lbs.	Complete Stock	Price, Each Extra Dies
66621	120	$\frac{1}{4}$, $\frac{3}{8}$	$3\frac{1}{4}$	\$6.50	\$1.50
66622	121	$\frac{1}{2}$, $\frac{3}{4}$	$5\frac{3}{4}$	7.00	1.60
66623	122	1, $1\frac{1}{4}$	12	8.00	2.00
66624	123	$1\frac{1}{2}$, 2	15	10.00	2.50

No. 6 BEAVERETTE DIE STOCKS

The Beaverette is the only stock threading four sizes of two different thread pitches, without changing dies.

Trade No.	Mfrs. No.	Size of Pipe Inches	Style of Dies	Net Wt., Lbs.	Price Each
66620	6	$\frac{1}{4}$ to $\frac{3}{4}$	R. or L.	8	\$15.00

Extra set of dies, right or left, $\frac{1}{8}$ or $\frac{1}{4}$ and $\frac{3}{8}$ or $\frac{1}{2}$ and $\frac{3}{4}$ -inch, \$3.00.

BEAVER ADJUSTABLE DIE STOCKS

Beaver Die Stocks thread all sizes of pipe without changing dies; are adjustable, and are built on the easy working receding die principle, which enables one man to thread any size of pipe up to 12 inches.

Narrow receding dies have only half as many teeth as common dies, which reduces the friction accordingly. They automatically back away from each other as they advance on the pipe to form the tapered thread, which means less metal to remove with each succeeding turn. Each turn grows easier.

By means of hardened cam, made slow enough to prevent slipping, the one set of dies is moved in or out for any size pipe or any variation from standard, so that perfect adjustment is obtained.

Nos. 25 and 26—1 to 2-inch

Nos. 25 and 26 have universal chuck and detachable barrel. One set of dies cuts four sizes.

Trade No.	Mfrs. No.	Size of Pipe Inches	Style of Dies	Net Wt., Lbs.	Price Each
66616	25	1 to 2	R. H.	22	\$30.00
66617	26	1 to 2	R. H.	24	35.00

Extra set of dies cuts all sizes, \$3.50.

No. 41— $2\frac{1}{2}$ to 4-inch

The No. 41 is a strictly one-man device. One set of dies, threads sizes $2\frac{1}{2}$, 3, $3\frac{1}{2}$ and 4-inch.

66618	41	$2\frac{1}{2}$ to 4	R. H.	75	110.00
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Extra set of dies, \$9.00.

No. 61— $2\frac{1}{2}$ to 6-inch

Same as No. 41, except larger, has two sets of dies; one set cuts $2\frac{1}{2}$, 3, $3\frac{1}{2}$ -inch, the other cuts 4, $4\frac{1}{2}$, 5 and 6-inch, and they are inserted without removing any parts.

66619	61	$2\frac{1}{2}$ to 6	R. H.	130	220.00
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Extra dies, each set, \$14.00.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STOCKS AND DIES



Nye Solid Die Stock



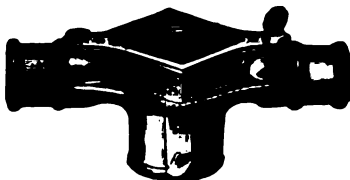
No. 25 Nye Adjustable Die Stock



Nye Solid Die



Nye Adjustable Die



Crane Die Stock

NYE SOLID DIE STOCKS

Nye Solid Stocks are made from high grade malleable castings and have adjustable bushings in front of the stock.

Trade No.	Mfrs. No.	Cuts Pipe Inches	Price Each
063926	1	$\frac{1}{8}$ to 1	\$4.00
063927	2	$\frac{1}{2}$ to 2	6.00

Size of block, $2\frac{1}{2}$ inches square by $\frac{3}{4}$ inch for No. 1, and $3\frac{7}{8}$ inches square by $\frac{7}{8}$ inch for No. 2.

Prices do not include dies.

No. 25 NYE ADJUSTABLE DIE STOCKS

The tool is light—weighing only $6\frac{3}{4}$ pounds. It is 33 inches from tip to tip of the handles.

Trade No.	Description	Price Each
25057	Equipped with one set of chasers....	\$16.00

Extra Chasers

25059	Cutting $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ inch, per set	3.50
86999	Cutting $\frac{1}{2}$, $\frac{3}{4}$ and 1 inch, per set.....	3.50
25060	Cutting $\frac{1}{8}$ and 1 inch, per set.....	3.50

NYE SOLID DIES

Size of Block, $4x4x\frac{1}{2}$, for No. 2 Stock

Trade No.	Size Inches	Price Each	Trade No.	Size Inches	Price Each
063928	2	\$5.00	063931	1	\$4.50
063929	$1\frac{1}{2}$	5.00	063932	$\frac{3}{4}$	4.00
063930	$1\frac{1}{4}$	4.50	063933	$\frac{1}{2}$	4.00

Size of Block, $3x3x\frac{1}{2}$, for Nos. $1\frac{1}{2}$ and $1\frac{1}{4}$ Stock

063934	$1\frac{1}{2}$	4.50	063938	$\frac{1}{2}$	3.50
063935	$1\frac{1}{4}$	4.00	063939	$\frac{3}{8}$	3.00
063936	1	4.00	063940	$\frac{1}{4}$	3.00
063937	$\frac{3}{4}$	3.50	063941	$\frac{1}{8}$	2.50

Size of Block, $2\frac{1}{2}x2\frac{1}{2}x\frac{1}{4}$, for No. 1 Stock

063942	1	3.50	063945	$\frac{3}{8}$	2.50
063943	$\frac{3}{4}$	3.00	063946	$\frac{1}{4}$	2.50
063944	$\frac{1}{2}$	3.00	063947	$\frac{1}{8}$	2.00

Size of Block, $2x2x\frac{1}{2}$, for No. 0 Stock

063948	$\frac{1}{2}$	3.00	063950	$\frac{1}{4}$	2.50
063949	$\frac{3}{8}$	2.50	063951	$\frac{1}{8}$	2.00

Size of Block, $5x5x1\frac{1}{4}$, for Nos. 3 and 4 Stock

063953	3	14.00	063952	$2\frac{1}{2}$	13.00
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NYE ADJUSTABLE DIES, TO FIT ARMSTRONG STOCKS

Trade No.	Size Inches	Fits Stock No.	Price Each
063954	$\frac{1}{8}$ to 1	2	\$3.50
063955	$\frac{1}{2}$ to $1\frac{1}{4}$	$2\frac{1}{2}$	5.00
063956	$\frac{1}{2}$ to 2	3	5.00
063957	$2\frac{1}{2}x3$	6	25.00

CRANE STOCKS AND DIES

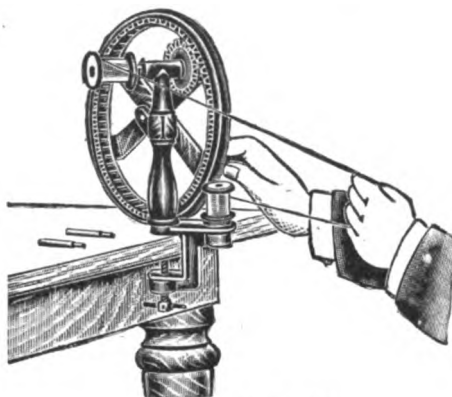
Trade No.	Mfrs. No.	Style	Dies Furnished with Each Stock	Dimen. of Dies, In.	Price Each
063958	0	B	$\frac{1}{8}$ to $\frac{1}{2}$	$2 x \frac{1}{2}$	\$ 9.50
063959	1	C	$\frac{1}{4}$ to 1	$2\frac{1}{2} x \frac{3}{4}$	15.00
063960	$1\frac{1}{2}$	DD	$\frac{3}{4}$ to $1\frac{1}{4}$	$3 x \frac{3}{4}$	13.50
063961	$1\frac{3}{4}$	D	1 to $1\frac{1}{2}$	$3 x \frac{3}{4}$	13.50
063962	2	E	$1\frac{1}{4}$ to 2	$4 x \frac{7}{8}$	20.00

Stocks only

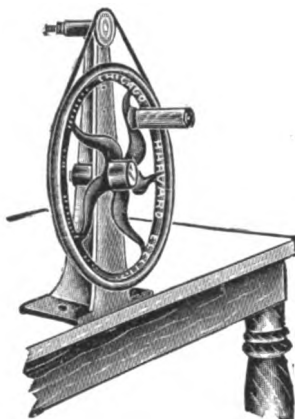
Style	Trade No.	Price Each	Trade No.	Price Each
B	25061	\$3.50	063963	\$1.50
C	25062	5.00	063964	2.00
DD	25063	6.00	063965	2.50
D	25064	6.00	063966	2.50
E	25065	9.50	063967	3.50

*Double end.

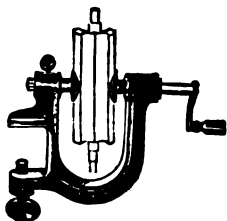
HARVARD WINDING MACHINES



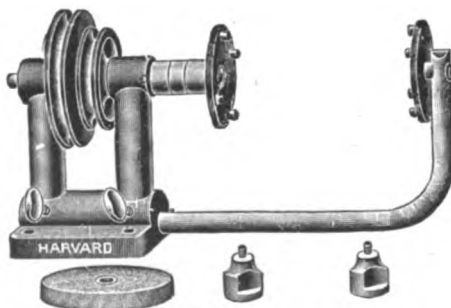
No. 1 Magnet Winder



No. 2 Magnet Winder



Generator and Armature Winder



Power Winder

No. 1 MAGNET WINDER

Designed for use in telegraph and telephone offices for unwinding and rewinding electro magnets. The illustration shows a magnet being wound from a spool of wire which is supported on a stud in a clamp. A hub like that shown lying on the table is used to support the magnet, one end of the hub screwing on the spindle of the machine, the other end screwing in the thread in the magnet core. The spool and the magnet hub are interchangeable. To unwind a magnet it is placed in the stud shown occupied by the spool, and the latter is screwed on the spindle. The operation of winding is already shown by the illustration. It is finished in enamel and striped.

With each winder is furnished a wooden spool, also one $\frac{3}{32}$ and one $\frac{1}{32}$ -inch hub.

Trade No.	Description	Price Each
36836	No. 1 complete	\$6.00
36837	Extra wooden spools .....	.20
36838	Extra hubs to order .....	.80

No. 2 MAGNET WINDER

The No. 2 Harvard Magnet Winder stands $14\frac{3}{4}$ inches high, has a round belt and is designed for winding wires to No. 16. It is finished in enamel and striped.

36839	No. 2 complete	16.00
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GENERATOR AND ARMATURE WINDERS

The new Harvard Generator and Armature Winder recently placed upon the market is the handiest tool for exchanges that has ever been designed. Inquiries are made for this machine run by a pulley so that it may be used for power. This can be done, but is not recommended, as it is impossible for a person not used to winding armatures to wind to advantage by power, and a person can wind almost as fast by hand as he can by power. This machine is substantially built and will last a lifetime.

36840	Generator and armature winder	5.00
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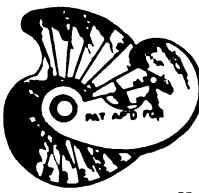
POWER WINDERS

A winding machine, run from a $\frac{1}{4}$ -inch belt, designed for small repair shops and exchanges which have power. Equipped with chucks for $\frac{3}{32}$ -inch screws, $\frac{1}{32}$ -inch screws and square head induction coils, and with an emery wheel for small grinding. This is a thoroughly practical machine, and manufacturing concerns will find it a valuable addition to their equipment.

36841	Power winder	10.00
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

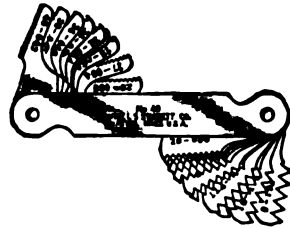
WIRE GAUGES AND REELS



No. 063701



No. 063702



No. 063703

PALETTE WIRE GAUGES

Pocket wire gauge for measuring wire from No. 18 to No. 000 B. & S. gauge. On the front is also given the carrying capacity of copper wire in amperes and on the reverse side the approximate decimal equivalent of the various size wires.

Trade No.	Wire gauge	Price Each
063701		\$1.20

U. S. WIREMAN'S CALCULATING GAUGES

On one side set the required number of feet on the small circle opposite the required number of amperes on the large circle, then set the small pointer at the required voltage and loss.

On the reverse side the large pointer will indicate the required size of wire in B. & S. gauge and will also indicate the safe carrying capacity, while the wire may be gauged by the slot A.

063702	Wire gauge	2.00
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STARRETT'S SCREW PITCH GAUGES

This gauge has twenty-two pitches, viz.: 9, 10, 11, 11½, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40. Can be used inside a nut as well as on the outside of a screw or bolt.

063703	No. 40	2.00
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AMERICAN STANDARD WIRE GAUGES

Trade No.	Mfrs. No.	Wire Sizes B. & S.	Price Each
063704	730	0 to 36	\$5.00
063705	732	5 to 36	4.00

SCREW AND WIRE GAUGES

063706	760	Pocket size	5.00
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MINNEAPOLIS REELS AND METERS

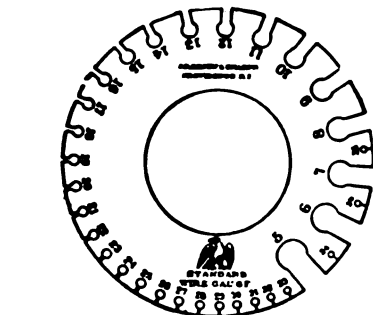
Trade No.	Wt. Lbs.	Price Each
012640	Reel and meter	\$30.00
012641	Meter only	19.25
012642	Counter meter	19.75
012643	Cable meter	30.00

WIRE MEASURING OUTFITS

For measuring lamp cord and wires from Nos. 0 to 40, inclusive.

It can be fastened either to counter or side of wall. Winder and reel can be closed up when not in use.

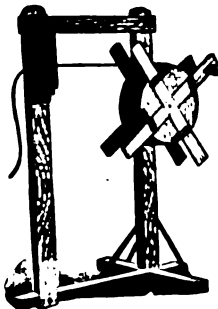
042548	Folding reel	3¾	6.00
042549	Measuring machine	8	15.00
042550	Wire winder	5½	10.00



No. 063705



No. 063706



No. 012640

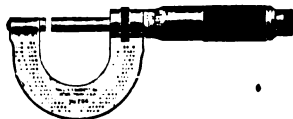


No. 042548 No. 042549 No. 042550

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MEASURING TOOLS

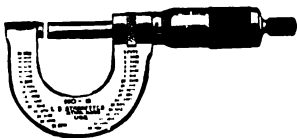
MICROMETERS



Nos. 204 and 205

Trade No.	Mfrs. No.	Measurements	Price Each
063574	*204	Thousandths up to 1 inch	\$20.00
063575	*205	Ten thousandths up to 1 inch	22.00
063576	*3	Thousandths up to 1 inch	12.00
063577	*113	Ten thousandths up to 1 inch	14.00
063578	203	Thousandths up to 1 inch	10.00
063579	209	Ten thousandths up to 1 inch	12.00
063580	*232	Thousandths up to 1/2 inch	10.00
063581	*233	Ten thousandths up to 1/2 inch	12.00

*These numbers have ratchet stop and locknut.
If with leather case, add \$1.00 to list

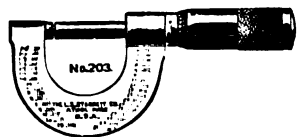


Nos. 3 and 113

POCKET STEEL TAPES, No. 500

No. 500 tapes are 1/4 inch wide, in nickel-plated cases with rounded edges. Spring wind with center stop. Graduated in inches and sixteenths of an inch.

Trade No.	Length Inches	Diam. of Case Inches	Price Each
063582	36	1 3/8	\$1.20
063583	60	1 1/2	1.50
063584	72	1 7/8	1.60
063585	96	1 3/4	2.30

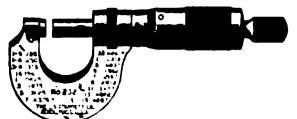


Nos. 203 and 209

STEEL TAPES, No. 505—STEEL CASE

No. 505 tapes are graduated in feet and twelfths of a foot, also in inches and eighths of an inch.

These tapes are 3/8 inch wide, in strong nickel-plated steel cases, with folding flush winders. They are used principally by engineers and others where oil or grease would soil leather cases.



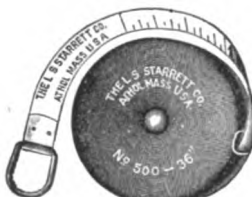
Nos. 232 and 233

063586	25	2 3/4	5.50
063587	50	3 1/4	6.80
063588	75	3 3/4	9.00
063589	100	4 1/4	11.50

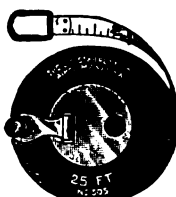
STEEL TAPES, No. 510—LEATHER CASE

No. 510 tapes are graduated in feet and twelfths of a foot, also in inches and eighths of an inch.

These tapes are 3/8 inch wide, in hard leather cases; flush handle, trimmings nickel-plated.



No. 500



Nos. 505 and 506

063590	25	2 7/8	6.50
063591	50	3 3/8	8.00
063592	75	3 7/8	10.50
063593	100	4 1/2	13.50

STEEL TAPES, No. 512—LEATHER CASE

No. 512 tapes are graduated in feet and twelfths of a foot, also in inches and sixteenths of an inch.

These tapes are 1/4 inch wide, in hard leather cases, flush handle, nickel-plated trimmings.



Nos. 510 and 511

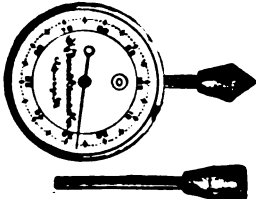


Nos. 512 and 513

063594	25	2 1/2	6.00
063595	33	2 1/2	6.50
063596	50	2 7/8	7.00
063597	66	3 3/8	8.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

INDICATORS



No. 063681

LIGHTNING SPEED INDICATORS

All parts are finely nickeled, the dial is pure white, like enamel watch dial, and the case enclosed with a strong watch crystal. Each instrument is put up in a neat cloth covered pocket case and weighs less than 2 ounces.

Trade No.	Description	Price Each
063681	In cloth case.....	\$2.00
90325	In leatherette case.....	2.50

HIGH SPEED INDICATORS

This indicator may run at highest speed required without heating, and this on account of our frictionless bearing against which the inner end of the spindle revolves. The working parts of this instrument are encased, and the dial plate has two rows of figures, reading right or left, as the shaft may run.



No. 104

Trade No.	Mfrs. No.	Description	Price Each
063674	104	In pasteboard box.....	\$2.00
063675	104	In leather case.....	3.00



No. 106

IMPROVED SPEED INDICATORS

This is a nicely made and finely working indicator. The working parts are enclosed like a watch. The graduations show every revolution, and with two rows of figures read both right and left, as the shaft may run. While looking at the watch each hundred revolutions may be counted by allowing the oval headed pin on the revolving disk to pass under the thumb as the instrument is pressed to its work.

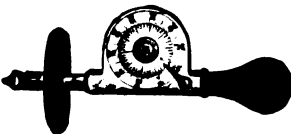


No. 107

063676	106	In pasteboard box.....	3.00
063677	106	In leather case.....	4.00

REGISTERING SPEED INDICATORS

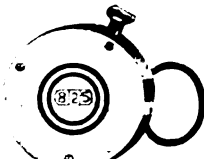
This instrument will register 5000 revolutions. The large dial is graduated into one hundred lines, each one representing a revolution of the spindle. The small dial has fifty lines cut upon its face, each representing one hundred revolutions of the spindle or one complete turn of the large dial. The instrument has a hard rubber handle, making a safe insulator when used on electrical machinery.

Showing No. 109
Attached to Indicator

063678	107	In pasteboard box.....	6.00
063679	107	In leather case.....	7.00

INDICATOR ATTACHMENTS

This attachment applied to the speed indicator will enable a workman to determine the speed of shafting.



No. 063682

Trade No.	Mfrs. No.	Price Each
063680	109	\$1.00

POLE COUNTERS

Trade No.	Numbers from	Price Each
063682	1-999	\$5.00

QUEEN PORTABLE TACHOMETERS

Thoroughly reliable for instantly indicating the speed of rotating shafts. Three shafts are geared to the rotating parts inside of case, each one having a separate scale on the dial. The case is nickel-plated and has a conveniently shaped handle. A substantial carrying case is supplied.

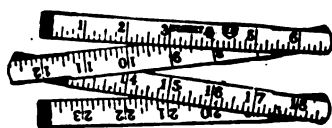


No. E-9009

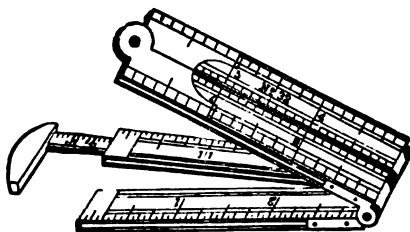
Trade No.	Mfrs. No.	Range of Revolutions	Price Each
047237	E-9009	40-3000	\$60.00
047238	E-9009A	75-5000	60.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

RULES



Zigzag Rule



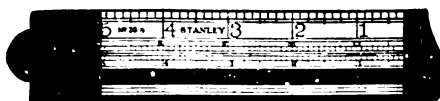
Boxwood Caliper Rule



Folding Steel Pocket Rule



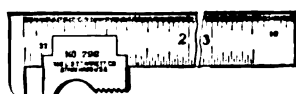
Boxwood Rule



Boxwood Caliper Rule



Pocket Slide Caliper



Slide Caliper Rule

ZIGZAG RULES

6-inch Fold, Yellow Enamel

Length Feet	CONCEALED JOINT		RIVET JOINT	
	Trade No.	Price per Doz.	Trade No.	Price per Doz.
2	063683	\$2.20	069072	\$2.00
3	063684	3.30	069073	3.00
4	063685	4.40	069074	4.00
5	063686	5.50	069075	5.00
6	063687	6.60	069076	6.00

BOXWOOD CALIPER RULES

Trade No.	Mfrs. No.	Price per Doz.
063689	32	\$7.00

12-inch, arch joint, edge plates, four-fold,
8ths, 10ths, 12ths and 16ths of inches, 1 inch
wide.

FOLDING STEEL POCKET RULES

Mfrs. No.	Length Feet	Width Inches	RULE ONLY		WITH LEATHER CASE	
			Trade No.	Price per Doz.	Trade No.	Price per Doz.
450	1	$\frac{3}{8}$	87056	\$5.00	87058	\$6.60
450	2	$\frac{3}{8}$	87057	9.00	87059	12.00

Nickel-plated, 1-foot, add \$1.00 per dozen;
2-foot, add \$1.50 per dozen.

BOXWOOD RULES

2-foot, Four-Fold

Trade No.	Mfrs. No.	Width Inches	Price per Doz.
063692	68	1	\$2.50
Round joint, middle plates, 8ths and 16ths.			
063693	61	1	3.00
Square joint, middle plates, 8ths and 16ths.			
063694	*63	1	4.00
Square joint, edge plates, 8ths, 10ths, 12ths and 16ths.			
063695	*51	1	3.50
Arch joint, middle plates, 8ths, 10ths, 12ths and 16ths.			
063696	*52	1	7.25
Arch joint, half-bound plates, 8ths, 10ths, 12ths and 16ths.			
063697	*53 $\frac{1}{2}$	1	8.00
Arch joint, edge plates, 8ths, 10ths, 12ths and 16ths.			

*These rules have drafting scales.

BOXWOOD CALIPER RULES

2-foot, Four-Fold

Trade No.	Mfrs. No.	Size of Calipers Inches	Price Each
063698	36 $\frac{1}{2}$	1 $\frac{3}{8}$	6.50

Square joint, 8ths, 10ths, 12ths and 16ths.
NOTE.—Price is for caliper left-hand.
When ordered with caliper right-hand, add 25
cents per dozen net. Regularly graduated in
16ths, but can be furnished in 32nds, same price,
if so ordered.

POCKET SLIDE CALIPERS

Trade No.	Mfrs. No.	Size of Calipers Inches	Price Each
063699	425	3	\$5.00
063700	425	5	7.00

SLIDE CALIPER RULES

The graduations are No. 4, with the 32nds
and the 64ths on the front as shown, and the
8ths and 16ths on the back.

Trade No.	Mfrs. No.	Price Each
87060	296	\$3.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

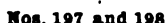
NICKEL-PLATED POCKET LEVELS



Trade
No.
063708
063709



063710
063711
063712
063713
063714
063715



063716
063717
063718



Mfrs. No.	Size Inches
83	2½
83	3
83	4
83	5
83	6
83	8
83	10
83	12

73	2½
73	3
73	4
73	5
73	6
73	8
73	10
73	12

Mfrs. No.	Size Inches
135	2½
135	3½

BENCH LEVELS

132	4	2.70
132	6	3.00
132	9	3.30
132	12	3.50
132	18	4.00
132	24	4.50

ELECTRICIAN'S LEVELS

With Plain Vial

197	8	5.00
197	12	7.00
197	16	9.00

With Ground and Graduated Vial

198	8	9.00
198	12	12.00
198	16	16.00

IMPROVED FIRM JOINT CALIPERS

26	3	.80
26	4	1.00
26	5	1.10
26	6	1.30
26	8	1.60
26	10	1.80
26	12	2.00
26	14	3.00
26	16	3.50
26	18	4.20
26	20	5.00
26	24	6.00
26	30	10.00
26	36	12.00
27	3	.80
27	4	1.00
27	5	1.10
27	6	1.30
27	8	1.60
27	10	1.80
27	12	2.00
27	14	3.00
27	16	3.50
27	18	4.20
27	20	5.00
27	24	6.00

YANKEE SPRING DIVIDERS

Solid Nut

Spring Nut

Trade No.	Price Each	Trade No.	Price Each
063750	\$1.30	42506	\$1.60
063751	1.40	42507	1.70
063752	1.50	42508	1.80
063753	1.60	42509	1.90
063754	1.70	42510	2.00
063755	2.20	42511	2.50
063748	2.70	42512	3.00
063749	3.00	42513	3.30

YANKEE CALIPERS

73	2½	063756	1.30	42514	1.60
73	3	063757	1.40	42515	1.70
73	4	063758	1.50	42516	1.80
73	5	063759	1.60	42517	1.90
73	6	063760	1.70	42518	2.00
73	8	063761	2.00	42519	2.30
73	10	063762	2.70	42520	3.00
73	12	063763	3.00	42521	3.30

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

OIL CANS

ENGINEERS' SETS

These engineers' sets are heavily plated in copper and handsomely finished. Prices include tray.



Engineer's Set

With Round Tray

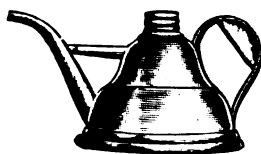
Trade No.	No. of Pieces in Set	Price per Set
38425	5	\$5.00
38426	6	7.00

With Oval Tray

Trade No.	No. of Pieces in Set	Price per Set
38427	5	\$ 7.00
38428	6	10.00

ZINC AND STEEL OIL FILLERS

The copper-plated steel engineers' fillers are made of heavy stock, handsomely finished in copper plate. The outside perfectly resembles 14 carat gold.



Zinc Oil Filler



Steel Engineer's Filler

Zinc

Trade No.	Capacity Pints	Price per Doz.
38429	1	\$4.00
38430	1½	5.00
38431	2	6.00

Copper-Plated Steel

Trade No.	Capacity Pints	Price per Doz.
38432	1	\$14.00
38433	1½	17.00
38434	2	20.00

PUMP PRESSURE OILERS

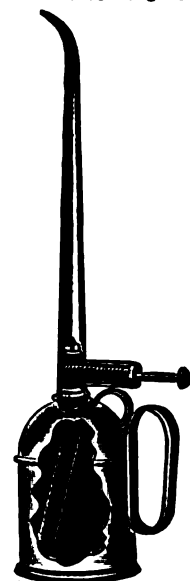
Trade No.	Mfrs. No.	Capacity Pints	Tin				Price Each
			Diam. Inches	Ext. Height Inches	Lgth. of Spout, In.		
38435	0	1	3½	9¼	6		\$0.85
38436	1	1	3	12½	8		.85
38437	2	1½	3½	17¼	12		.95
38438	3	2	4	26	20		1.10
Trade No.	Mfrs. No.	Capacity Pints	Brass				Price Each
			Diam. Inches	Ext. Height Inches	Lgth. of Spout, In.		
38439	0	1	3½	9¼	6		1.35
38440	1	1	3	12½	8		1.35
38441	2	1½	3½	17¼	12		1.50
38442	3	2	4	26	20		1.75

STEEL ENGINEERS' OILERS

Trade No.	Capacity Pints	Price per Doz.	Trade No.	Capacity Pints	Price per Doz.
38443	1	\$3.75	38445	2	\$4.50
38444	1½	4.25	.....	..	....

COPPER-PLATED STEEL OILERS

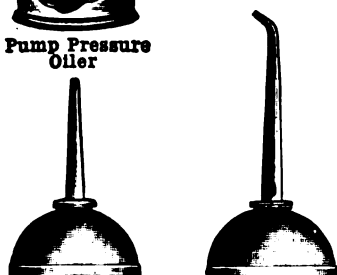
These oilers have the collar attached to body of can and cap to spout without soldering or brazing. Threads are machine cut. New style brass cap and collars.



Pump Pressure Oiler



Steel Engineer's Oiler



Copper-Plated Steel Oilers

Trade No.	Capacity	Diam. Inches	Nozzle Length, In.	Price per Doz.
38446	3 oz.	2¾	2½	\$4.50
38447	5 oz.	3⅝	3	5.50
38448	5 oz.	3⅝	5	6.00
38449	5 oz.	3⅝	9	6.50
38450	½ pt.	3¾	3	7.50
38451	½ pt.	3¾	5	8.00
38452	½ pt.	3¾	9	8.50
38453	1 pt.	4¼	3	9.25
38454	1 pt.	4¼	5	9.75
38455	1 pt.	4¼	9	10.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

STATION SUPPLIES



Oily Waste Can

OILY WASTE CANS

Trade No.	Size Inches	Price Each
5513	11 $\frac{3}{4}$ x13	\$2.00
5514	12 $\frac{1}{2}$ x14	2.50
5515	13 $\frac{1}{2}$ x15	3.00

WASTE

Trade No.	Description	Price per Lb.
4503	White	\$0.12
4504	Colored	.09



Waste

RUBBER GLOVES

Without Gauntlet

Trade No.	Size of Glove	Size of Hand	Price per Pair
5516	13	9	\$4.00
5517	14	10	4.00
5518	15	11	4.00

With Gauntlet

5519	13	9	5.00
5520	14	10	5.00
5521	15	11	5.00

Fingers re-enforced.

LINEMEN'S RUBBER GLOVES

With Gauntlet

5522	13	9	6.00
5523	14	10	6.00
5524	15	11	6.00

Palms and fingers re-enforced.

ELECTRICIANS' SEAMLESS RUBBER GLOVES

Pure Gum

Trade No.	Price per Pair
5301	\$4.00

Sizes 9, 10 and 11
For 4000 volts.

LINEMEN'S SEAMLESS RUBBER GLOVES

Pure Gum

Trade No.	Price per Pair
5302	\$5.00

Sizes 9, 10 and 11
For 10000 volts.



Linemen's Gloves



Hand Bellows

HAND BELLOWS

Trade No.	Width Inches	Price per Doz.
5307	6	\$20.00
5308	7	22.00
5309	8	24.00
5310	9	26.00
5311	10	30.00
5306	12	36.00

UNIVERSAL DUSTERS



Universal Duster

Trade No.	Mfrs. No.	Inside Diam. Inches	Length Inches	Weight Ounces	Price Each
09852	1	2 $\frac{3}{8}$	20	10 $\frac{1}{2}$	\$1.50
09854	3	3	24 $\frac{3}{4}$	16 $\frac{1}{2}$	3.25

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TURNER HOT BLAST TORCHES



No. 224



No. 215



No. 204



No. 21

GASOLINE TORCHES

No. 224 Hot Blast Torch herewith illustrated has several improvements. The tank is of heavy brass and made with a funnel shaped brass bottom to assist in filling with gasoline, and has the Turner New Non-leaking Filler Plug.

Trade No.	Mfrs. No.	Capacity Pints	Size, INCHES Height	Diam.	Net Wt., Lbs.	Price Each
41720	224	2	9	4	3	\$6.80

A torch with an automatic spring valve pump which forms a part of the handle. The tank is 18-gauge heavy brass, with brass funnel shaped bottom and fitted with new Turner Non-leaking Filler Plug. The burner is of the improved closed generator type for either outdoor or indoor use.



No. 201

052816	215	2	9½	4	3	6.00
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The No. 204 torch has tank which is made of heavy 18-gauge brass, with brass bottom which serves as a funnel in filling. Fitted with non-leaking filler plug. The air valve screw is conveniently located at base of pump and made with packing nut which makes it absolutely air-tight.

41721	204	2	9¾	4	3	7.60
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The Turner Hot Blast Gasoline Torch, No. 21, is the highest grade of the single valve style of torch.

41722	21	2	10	4	3	8.00
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The improved construction of the burner produces an intensely hot, pointed flame that gives the maximum efficiency in extreme cold or under severe weather conditions. The pump is made with improved automatic check valve.

41723	201	2	9	4	4	7.60
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No. 301 is same as No. 201, but 1-pint capacity.

41724	301	1	8	3½	2	6.80
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No. 426 kerosene torch can be used for burning gasoline as well as kerosene, or a mixture of both. The special construction of the generator transforms the kerosene into gas under such perfect conditions that it is entirely burned and therefore without odor, and free from carbon deposit.



No. 426

41725	426	2	10	4	3½	9.20
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No. 315 is a pint size torch with improved automatic spring valve pump, and constructed for general light work. The burner is one of the new styles made to generate a hot and steady flame, which can be regulated in size and volume for various kinds of work. The needle valve of the burner is made with a neat fiber handle. The concave brass bottom acts as a funnel in filling and is closed with the Turner New Non-leaking Filler Plug. The tank is 18-gauge polished brass.



No. 315

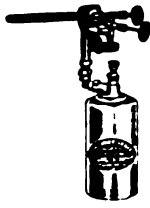
052822	315	1	7½	3½	2	5.60
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

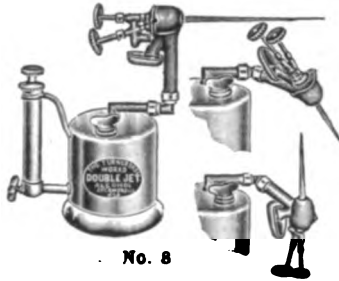
TURNER HOT BLAST TORCHES



No. 58



No. 100



No. 8



No. 418

ALCOHOL TORCHES

A small cotton wick draws the alcohol in No. 58 torch to the flame, and by means of the small adjustable blowpipe and rubber tube on the side the operator can blow a very fine pointed flame, producing an intense heat, suitable for small soldering and other work.

Trade No.	Mfrs. No.	Capacity Pints	Size, Inches Height	Diam.	Weight, Pounds Net	Ship.	Price Each
052823	58	$\frac{1}{4}$	$4\frac{1}{2}$	$1\frac{3}{4}$	$\frac{3}{4}$	1	\$3.75

No. 100 double jet alcohol blowpipe burns wood alcohol and produces a needle pointed flame of remarkably high temperature.

052824	100	1	9	$3\frac{1}{2}$	2	$2\frac{1}{2}$	10.65
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The No. 8 alcohol blowpipe is fitted with a double jet burner, designed for burning wood alcohol. Generates 3000 degrees of heat. An indispensable tool for opticians, jewelers, dentists and electricians. Adapted for lead burning on storage batteries, brazing and fine soldering.

052825	8	1	9	$3\frac{1}{4}$	2	$2\frac{1}{2}$	16.00
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GASOLINE TORCHES

No. 418 torch is especially designed for automobile users and mechanics where a good tool is required and of the smallest dimensions. It is equipped with metal spring attached to bottom to prevent tipping over.

41733	418	1	9	$1\frac{3}{4}$	$2\frac{3}{4}$	$3\frac{1}{8}$	8.80
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No. 308 torch is constructed for general light work, is well made, strong and durable: A very popular tool with mechanics who have use for a small torch. Equipped with detachable soldering iron holders.

41734	308	1	$7\frac{3}{4}$	$3\frac{1}{2}$	2	4	6.40
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No. 21 torch is constructed on the new patented coil principle, vaporizing all the gasoline above the tank. The flame passing through this coil generates a strong, steady flame at all times. This enables the operator to obtain the same results in the wind or in zero weather. It produces about 2000 degrees Fahr. Tanks made of 18-gauge seamless brass. Concave steel bottom. All parts interchangeable. Always use 74-degree gasoline. Burner made of special bronze.

41731	21	2	.10	$4\frac{1}{2}$	4	$6\frac{1}{8}$	8.00
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No. 83 torch has double jet burner which generates the maximum heat from gasoline or about double that of any ordinary blowtorch. All parts of this torch are made of heavy brass. The pump is contained in the handle of the torch, and air valve is located at the base of the pump barrel. The filler plug is placed in the top of the tank.

41732	83	2	$10\frac{3}{4}$	4	3	$4\frac{1}{2}$	11.75
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No. 97 double jet torch is an ideal tool for linemen's use. The general construction is the same as other Turner Double Jet Torches, but the burner is designed for extra heavy work and produces a much larger volume of flame than the other styles.

052830	97	2	$11\frac{1}{4}$	4	5	6	15.75
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No. 308



No. 21



No. 93



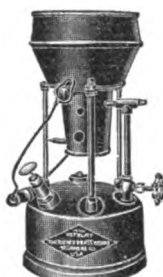
No. 97

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

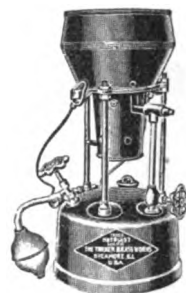
TURNER HOT BLAST FURNACES



No. 53



No. 66



No. 56

FOR GASOLINE

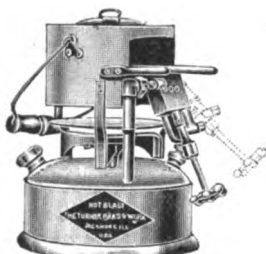
With Bulb

Every plumber knows our Pioneer Hot Blast Coil Furnace. We make it as it was originally, which is a guarantee of the durability and mechanical construction. All castings are made of malleable iron or brass, as found most serviceable.

Trade No.	Mfrs. No.	Capacity Pints	Size, Inches Height	Diam.	Net Wt., Lbs.	Price Each
35505	53	8	17 $\frac{3}{4}$	8 $\frac{1}{2}$	9 $\frac{1}{2}$	\$6.00

FOR GASOLINE

With Automatic Brass Pump in Tank



Nos. 34 and 36

We present herewith a strong, well constructed high grade coil furnace with an automatic pump in the tank, as shown in the illustration.

The tank is made of 16-gauge seamless drawn steel, retinned inside and out, and will withstand the acid used in connection with telephone and telegraph construction. This furnace will be appreciated by conduit workers, plumbers, gas fitters, etc.

35506	66	7	16 $\frac{1}{2}$	8	7 $\frac{1}{2}$	9.60
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This furnace is unequalled in strength, durability and economy. It is made with heavy seamless drawn steel tank and extra heavy bottom, funnel-shaped filler opening with Turner improved filler slug. Produces steady flame in wind and coldest weather.

35507	56	7	16 $\frac{1}{2}$	8	7 $\frac{1}{2}$	8.80
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No. 34 is the most modern furnace made. Galvanized steel tank. Burner so constructed that the greatest heat can be obtained. Will melt kettle of lead and heat a pair of coppers at same time without removing either.

35501	34	1	12	9 $\frac{3}{4}$	9 $\frac{1}{2}$	13.60
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No. 36 is the same as No. 34, but smaller.

35502	36	$\frac{3}{4}$	12	8 $\frac{1}{2}$	9	10.40
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FOR KEROSENE



No. 83

The safest, strongest and most economical furnace made. Produces more heat, with less fuel, at a lower price, than is possible with any furnace burning gasoline.

The patented burner is constructed to burn kerosene or gasoline and can be used equally as well when exposed to a draught or out of doors in windy weather as on the inside.

35508	83	7	17 $\frac{1}{4}$	8 $\frac{1}{4}$	9 $\frac{1}{4}$	15.20
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

REPAIR PARTS FOR TURNER TORCHES AND FURNACES



No. 054226 No. 054227 No. 054228 No. 054229 No. 054230 No. 054231 No. 054232
No. 054233 No. 054234 No. 054235 No. 054237 No. 054239 No. 054240 No. 054241 No. 054242
No. 054244 No. 054247 No. 054245 No. 054246 No. 054249 No. 054250 No. 054248 No. 054251 No. 054252 No. 054253 No. 054256

Trade No.	For Turner Pioneer Coil Furnaces	Price Each
054226	Reservoir for No. 53.....	\$3.60
054227	Nos. 1 or 2 shield.....	1.00
054228	No. 3 shield.....	2.00
054229	Coil cup.....	.60
054230	Top plate.....	.40
054231	Handle.....	.50
054232	Valve.....	.80
054233	Air valve.....	.60
054234	Handle ear.....	.16
054235	Coil.....	.80
054237	Fill or tee, malleable.....	.12
054238	Fill, brass.....	.20
054239	Tee, brass.....	.30
054240	Plug.....	.12
054241	Nuts, Nos. 1 or 2.....	.04
054242	Upright.....	.16
054243	Connecting pipe.....	.16
054244	Wire for coil.....	.10
054245	Burner.....	.20
054246	Bulb.....	.70
054247	Brass pump for No. 34.....	1.00

For Turner Double Jet Gasoline Torches No. 92

054248	Burner complete.....	5.40
054249	Pump complete.....	2.00
054250	Angle piece complete.....	1.80
054251	Long induction tube.....	.24
054252	Short induction tube.....	.24
054253	Coil inside burner.....	.24
054254	Screen inside burner.....	.24
054255	Non-leaking filler plug only, new style....	.60
054256	Air valve screw.....	.36
054257	Pump cylinder M.....	.60
054258	Pump plunger complete K.....	1.20
054259	Pump cap O.....	.20

For Turner Hot Blast Torches

054260	Burner complete, for Nos. 212 and 215 gasoline quart Hot Blast torch.....	3.20
054261	Burner complete, for No. 222 torch.....	3.20
054262	Burner complete, for No. 312 torch.....	3.20
054263	Burner complete, for No. 226 torch.....	5.50
054264	Burner complete, for No. 12 torch.....	3.20
054265	Needle seat, No. 15.....	.24
054267	Filler plug complete, with inlet and locknut, non-leaking.....	1.00
054268	Filler plug only (non-leaking).....	.60
054269	Pump cylinders, quart.....	.50
054270	Pump cylinders, pint.....	.50
054271	Pump plunger complete, quart.....	.40
054272	Pump plunger complete, pint.....	.40
054273	Pump cap, quart.....	.24
054274	Pump cap, pint.....	.24

All of the above burners include attachments for holding a soldering copper, which are loose and easily applied.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C & L TORCHES

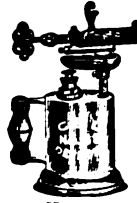
FOR GASOLINE



No. 32



No. 31



No. 38



No. 37

No. 32 TORCHES

The No. 32 has no equal where intense heat is desired, and has integral hook and support for holding soldering copper. Burner is made of special generator metal which retains the heat longer, producing an intensely hot blue flame that burns perfectly in hard wind or extreme cold. Patented automatic brass pump in tank, with automatic double spring check, supplies required air pressure.

Trade No.	Mfrs. No.	Capacity Pints	Shipping Wt., Lbs.	Price Each
043910	32	2	4 $\frac{1}{4}$	\$8.00



No. 108

No. 31 TORCHES

The No. 31 is exactly like No. 32, except without hook and support. The best plain quart torch on the market.

043908	31	2	4 $\frac{1}{4}$	7.60
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No. 38 TORCHES

The No. 38 has improved burner, of special generator metal, which produces a perfect blue flame of intense heat, indoors or out. Hook and support for holding soldering copper is a great convenience. Heavy gauge seamless drawn brass tank is fitted with patented automatic brass pump with automatic check valve, insuring ample air pressure.

043907	38	1	2 $\frac{3}{4}$	7.20
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No. 107

No. 37 TORCHES

The No. 37 is exactly like No. 38, but without hook and support. The best pint torch made.

043906	37	1	2 $\frac{3}{4}$	6.80
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No. 108 TORCHES

The No. 108 is a well constructed torch fitted with hook and support to hold soldering copper, a convenience in repair work. Will not produce as much heat as the better grade torches but is well worth the price. Pump is in the handle and brass tank is equipped with a good bronze burner.

86912	108	2	4	6.80
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No. 112

No. 107 TORCHES

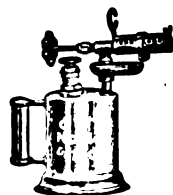
The No. 107 is just like No. 108, except without hook and support. A high quality, low priced torch.

86913	107	2	4	6.40
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No. 112 TORCHES

The No. 112 is a cheap competitive torch, made as effective as the price permits. Bronze burner mounted on brass tank and detachable soldering iron holder included.

86914	112	2	4 $\frac{1}{4}$	6.40
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No. 114

No. 114 TORCHES

The No. 114 is exactly like No. 112, but one size smaller.

86915	114	1	3	6.00
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C & L TORCHES FOR GASOLINE AND ALCOHOL



No. 30



No. 29



No. 104



No. 103

No. 30 GASOLINE TORCHES

No. 30 has heavy gauge brass tank and patented automatic brass pump in handle, insuring ample air pressure. Improved burner of special generator metal, produces an intensely hot flame.

Trade No.	Mfr. No.	Capacity Pints	Shipping Wt., Lbs.	Price Each
41913	30	2	4	\$7.60

No. 29 GASOLINE TORCHES

No. 29 is exactly like No. 30, without hook and support.

41922	29	2	4	7.20
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No. 104 GASOLINE TORCHES

The No. 104 has a powerful generator metal burner fitted with hook and support for holding a soldering copper. Burner produces a hot blue flame.

86922	104	2	4 1/8	7.20
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No. 103 GASOLINE TORCHES

The No. 103 is exactly like No. 104, but is without hook and support for holding soldering copper.

86923	103	2	3 1/2	6.80
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No. 19 GASOLINE TORCHES

No. 19 is equipped with patented automatic brass air pump in handle and the special generator metal burner, fitted with hook and support, produces an intensely hot blue flame.

41912	19	1	3	6.40
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No. 48 GASOLINE TORCHES

No. 48 is oblong and strongly made of heavy gauge brass. Hinged supports at base prevent tipping over.

41911	48	1	3 3/4	9.20
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No. 47 GASOLINE TORCHES

No. 47 is exactly like No. 48, except without hook and support.

41920	47	1	3 3/4	8.80
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No. 120 GASOLINE TORCHES

The No. 120 is recommended to fill occasional calls for a cheap quart torch. Burner is mounted on a seamless drawn brass tank and produces a hot flame. Automatic brass air pump, with spring check, forms handle. Detachable soldering iron holder included.

55687	120	2	4	6.00
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No. 122 GASOLINE TORCHES

The No. 122 is exactly like the No. 120, except that it is smaller.

55688	122	1	3	5.60
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No. 14 ALCOHOL TORCHES

No. 14 burns alcohol or gasoline. Air blast through fuel chamber makes hotter flame than other methods.

55674	14	1/4	1	4.00
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No. 28 ALCOHOL TORCHES

No. 28 burns alcohol, which is fed to the burner by a good sized wick. The rubber tube connecting a small brass blowpipe enables the user to blow an air blast into the burning alcohol, producing a fine pointed flame of intense heat.

86926	28	1/4	1	2.00
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No. 19



No. 48



No. 120



No. 14



No. 28

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C & L FIRE POTS

FOR GASOLINE

No. 1 FIRE POTS



No. 1

The No. 1 fire pot is $9\frac{3}{4}$ inches in diameter at base, $6\frac{3}{4}$ inches in diameter at top and the tank holds 7 pints. It is adapted to a greater variety of uses than any other make of fire pot on the market to-day. The tank is made of heavy gauge seamless steel with bottom and fittings welded in, not soldered. Filler is large and funnel shaped, making the tank easy to fill. The burner represents the highest development in generating power and heat efficiency, quickly producing an ideal blue flame, easily regulated, giving satisfaction in windy or zero weather. The burner is attached to a swivel joint, which permits moving the flame up or down.

Trade No.	Mfrs. No.	Capacity Pints	Shipping Wt., Lbs.	Price Each
041369	1	7	11	\$13.60

No. 5 FIRE POTS



No. 5

The No. 5 is an exact duplicate of the No. 1, only smaller, being about two thirds its size. Height over all, 12 inches; diameter at base, $8\frac{1}{2}$ inches, and at top, 6 inches. Tank is made of heavy gauge seamless steel and holds 5 pints. Top section is large enough to easily handle a pair of 8-pound coppers and a 5-inch metal pot at the same time. The burner produces a pure blue flame, intensely hot, using but little gasoline (less than half required by some makes). By removing the top section, the base may be used as a torch or brazing fire.

041368	5	5	$10\frac{1}{4}$	10.40
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No. 20 COIL FIRE POTS



No. 20

The No. 20 has great generating power. The tank is fitted with our automatic brass air pump, which is more durable than bulbs and enables the user to obtain pressure quickly. It produces a blue blast flame that is intensely hot. The tank is made of heavy galvanized iron, with a stay rod on the inside extending from top to bottom, making it strong and rigid. It is equipped with brass ells and tees, quick opening valves that are equipped with stuffing boxes, steel coil and burner and top plate. The No. 20 fire pot is the most up-to-date coil fire pot on the market to-day and is the best and most durable in the world.

041371	20	8	$9\frac{3}{4}$	6.80
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No. 10 COIL FIRE POTS



No. 10

For over twenty years the No. 10 has (in its class) been the greatest selling and most extensively used coil fire pot made. Generating power, intensity of heat and economy in fuel consumption, to a very marked degree, distinguish this from any other make. The tank is made of heavy galvanized iron, fitted with galvanized cast iron top plate and bottom ring. All small or light castings are malleable iron or brass. The coil is made of extra heavy pipe and burner of steel. The needle point valves, which are fitted with stuffing boxes, are always tight, and give the user perfect control of the fire.

041370	10	8	$9\frac{3}{4}$	6.00
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C & L FIRE POTS

FOR GASOLINE

No. 71 FIRE POTS



No. 71

The hottest fire pots made for electricians and metal workers. They are smokeless, odorless and noiseless. Have heavy gauge welded steel tank and round top section. A pot of lead can be melted and a pair of 12-pound coppers heated at the same time. The burner has two heating surfaces. The gas is superheated before it is burned and gives an intensely hot blue flame, burning from each side to the center. Has sub-flame for the generator so heating flame can be turned low, if desired, thus saving fuel expense, and the maximum heat can be had at a moment's notice. It is not affected by wind or storm.

Trade No.	Mfr. No.	Capacity Pints	Shipping Wt., Lbs.	Price Each
41238	71	7	14 $\frac{1}{4}$	\$13.60



No. 72

No. 72 FIRE POTS

The No. 72 fire pots are exactly like the No. 71, except one size smaller. Top section will care for a pair of 8-pound coppers while melting a pot of metal. Tank is made of heavy gauge, seamless drawn steel with bottom and fittings welded in, making it extra strong and durable. Large funnel shaped filler in tank makes it easy to fill. Air pressure is easily maintained by means of the automatic brass pump fitted into the tank and equipped with double spring automatic check valve.

41237	72	5	13 $\frac{1}{2}$	10.40
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No. 21

No. 21 FIRE POTS

The No. 21 fire pots are the latest improved, up-to-date coil fire pots, made with seamless drawn steel tank, large funnel and filler, heavy uprights, large valve and heavy malleable top plate and one-piece steel shield. They produce the maximum degree of heat at the smallest cost and are the best coil fire pots ever placed on the market. The burners and coils are made of extra heavy steel and produce a steady blue flame in hard wind or extreme cold. Air pressure is produced by means of an automatic brass pump.

41341	21	8	9 $\frac{3}{4}$	9.60
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No. 11

No. 11 FIRE POTS

The No. 11 coil fire pots have the same great generating power and marked economy as the No. 21. The tank is made of heavy gauge steel with welded joints not soldered, making it practically indestructible. Air pressure is produced by rubber bulb. All small parts are brass and malleable iron. Needle point valves, fitted with stuffing boxes, assure perfect control of fire. Coil is extra heavy, burner is steel and produces a steady and intensely hot blue flame which burns perfectly in hard wind and extreme cold.

41345	11	8	9 $\frac{3}{4}$	8.80
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SOLDERING SUPPLIES



Regular Bar Solder



Triangular Bar Solder



Wire Solder



Wiping Solder



No. 1



No. 2



No. 3



No. 4

Kester Flux Solder



Resin Core Flux Solder



Melting Pot



Pouring Ladle

HALF AND HALF SOLDER

Trade No.	Description	Price per Lb.
019243	In regular bars.....	\$0.50
42453	Triangular bars .....	.50
019244	Wire.....	.50

WIPING SOLDER

Trade No.	Description	Price per Lb.
42454	In regular bars.....	\$0.50

KESTER FLUX SOLDER

A self-fluxing solder. The flux is contained in single cells, as shown in illustration, and only enough flux will flow at each time for a single joint.

Trade No.	Mfr. No.	Length Strips, In.	Price per Lb.
42455	1	18	\$0.75
42456	2	18	.75
42457	3	18	.75
42458	4	18	.75

RESIN CORE FLUX SOLDER

Trade No.	Description	Price per Lb.
019241	1-pound spools.....	\$0.75
019242	5-pound spools and over	.75

CAST IRON MELTING POTS

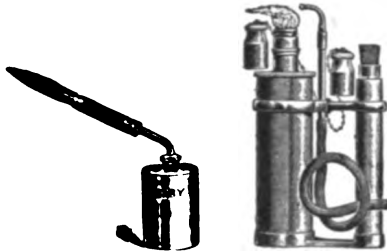
Trade No.	Size Inches	Price Each
019245	5	\$0.80
019246	6	1.20
019247	8	1.50

POURING LADLES

Trade No.	Size Inches	Price Each
019249	3	\$0.60
019250	4	.80
019251	5	1.20

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SOLDERING SUPPLIES



Baby Torch

No. 79 Torch

BABY GASOLINE TORCHES

A simple, automatic tool with no movable parts valves or pump to get out of order or be replaced. Tank is only 3 inches high and 2 inches in diameter. It requires no pumping and is always ready for use. Simply hold a lighted match to the burner—it lights quickly. Will burn steadily for 2 hours on one filling of gasoline.

Trade No.	Description	Price Each
095064	Baby Gasoline Torch	\$2.00

No. 79 WILLSON ALCOHOL TORCHES

Blowpipe and Torch

Handle contains vial for holding acid. Capacity, $\frac{1}{2}$ pint.

Dimensions over all: Height, $7\frac{3}{4}$ inches; diameter, $1\frac{3}{4}$ inches. Weight, net, $1\frac{1}{4}$ pounds. Consumption, $\frac{1}{8}$ pint per hour.

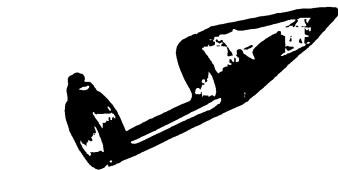
095065	Complete, with rubber tube.....	5.00
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Standard Soldering Copper



Pony Soldering Copper



Ritter Soldering Copper

STANDARD SOLDERING COPPERS

Trade No.	Weight Pounds	Price per Lb.	Trade No.	Weight Pounds	Price per Lb.
019255	$\frac{1}{2}$	\$0.70	019259	2	\$0.70
019256	$\frac{3}{4}$	.70	019260	$2\frac{1}{2}$	.70
019257	1	.70	019261	3	.70
019258	$1\frac{1}{2}$	.70	019262	4	.70

PONY SOLDERING COPPERS

Trade No.	Length Inches	Price Each	Trade No.	Length Inches	Price Each
019263	12	\$1.20	019266	8	\$0.60
019264	$11\frac{1}{2}$	1.00	019267	$8\frac{1}{2}$	.50
019265	$10\frac{1}{2}$	.80	.....	...	...

Fitted with black lacquered handle.

RITTER SOLDERING COPPERS

Trade No.	Description	Price Each
019268	For use with blow torch	\$2.00

In ordering, state if wanted for pint or quart size.



Shave Hook

SHAVE HOOKS

019252	Triangle .....	.60
019253	Oval60



Wood Dresser

WOOD DRESSERS

019254	For lead sleeves, etc.	1.50
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WIPING CLOTHS

095058	Moleskin.50
095059	Ticking30



Wiping Cloth



Turn Pin

WOOD TURN PINS

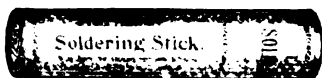
095060	1-inch.....	.50
095061	2-inch.....	.50
095062	3-inch.....	.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

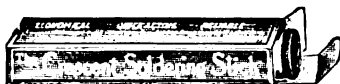
INSULATING SUPPLIES



No. 40208



No. 039534



No. 040970



No. 40212



No. 040976



No. 40215



No. 063573



No. 059292



No. 059294



No. 059295

SOLDERING STICKS

Eaco

Eaco Soldering Stick does twice the work of soldering salts. Its make-up contains all the ingredients necessary to a perfect soldering flux. No acids to injure the insulation.

Trade No.	Size Package	Price Each
40208	$\frac{7}{8}$ x 5 in.	\$0.24
039534	Allen $1 \times 5\frac{1}{2}$ in.	.24
040970	Crescent	.24

EACO SOLDERING SALTS

40209	$\frac{1}{2}$ -pound bottle	.40
40210	1 -pound bottle	.50
40211	5 -pound bottles	2.00

SOLDERING PASTE

Eaco

The Eaco Soldering Paste is absolutely free from any acid or other ingredient injurious to insulation. It is condensed to such a degree that 1 pound of it will do as much work as 3 gallons of ordinary soldering solution. It will save solder and make a better joint than any other soldering flux on the market. It is convenient and always ready to use, with nothing to break and nothing to spill.

Directions for using: With a small bit of rag or the finger grease the joint to be soldered. The solder will be readily run into the smallest crevice and makes a perfect joint on the most delicate work. Do not use an excess of the paste, as merely a grease mark is sufficient.

40212	$2\frac{1}{2}$ -ounce boxes	.30
40213	$\frac{1}{2}$ -pound boxes	.90
40214	1 -pound boxes	1.40
Highland		
059285	2 -ounce cans	.50
059286	1 -pound cans	2.00
059287	5 -pound cans	7.50
Crescent		
040976	$2\frac{1}{2}$ -ounce boxes	.30
040977	$\frac{1}{2}$ -pound boxes	.90
040978	1 -pound boxes	1.40
Burnley's		
40215	2 -ounce cans	.30
40216	4 -ounce cans	.50
40217	$\frac{1}{2}$ -pound cans	.90
40218	1 -pound cans	1.40

EARLY'S COMMUTATOR CEMENT

Trade No.	Size of Carton Inches	Weight Pounds	Price per Pkg.
063573	$2\frac{1}{2} \times 5\frac{3}{4}$	1	\$2.00

COMMUTATOR COMPOUNDS

Red Cross

Trade No.	Size, Stick Inches	Price Each
059292	$4\frac{1}{2} \times \frac{5}{8}$	\$0.25
059293	$4\frac{1}{2} \times \frac{3}{4}$	.50
Gale's		
059294	4 x 1	.50
Trotter's		
059295	$4\frac{1}{2} \times \frac{1}{8}$	.50
059296	$4\frac{1}{2} \times \frac{5}{8}$	.25

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

INSULATING TAPES



Eaco Friction Tape



Jaxon Friction Tape



Para Rubber Tape

FRICTION TAPES

Eaco

A high grade rubber friction tape with cotton back. Made from the finest selected stock and better than anything heretofore produced in the line of an insulating tape. Every roll guaranteed satisfactory. Put up in tin boxes.

Trade No.	Color	Width Inches	Pounds per Roll	Price per Lb.
40876	White	$\frac{3}{4}$	$\frac{1}{2}$	\$1.20
40877	Black	$\frac{3}{4}$	$\frac{1}{2}$	1.10

Jaxon

A low priced competitive friction tape of superior quality.

40879	Black	$\frac{3}{4}$..	.80
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Manson

063048	White	$\frac{3}{4}$	$\frac{1}{2}$	1.20
063047	Black	$\frac{3}{4}$	$\frac{1}{2}$	1.20

Morgan & Wright

063046	Black	$\frac{3}{4}$..	.90
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RUBBER TAPES

Para

A very superior gum tape. Made from the same stock as the insulation of our celebrated paranite wire—pure para stock, and guaranteed equal to any pure gum tape on the market.

40882	$\frac{3}{4}$..	1.60
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Special widths to order.

Security

40889	Black	$\frac{3}{4}$	$\frac{1}{2}$	1.00
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Okonite

063052	$\frac{3}{4}$	$\frac{1}{2}$	1.90
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P & B WEATHERPROOF TAPE

This is a superior tape for all kinds of work. It will not vulcanize with heat or become defective by exposure or use. It is thoroughly water, acid, and alkali-proof, and will not dry out, crack or harden.

Trade No.	Size Package	Width Inches	Price per Lb.
40884	1 - pound boxes	1	\$1.00
063053	$\frac{1}{2}$ - pound boxes	$\frac{3}{4}$	1.00
40885	$\frac{1}{2}$ - pound boxes	$\frac{1}{2}$	1.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Manson Friction Tape



Security Rubber Tape

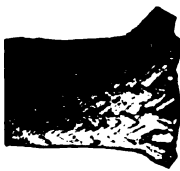


Okonite Rubber Tape

BELDEN COTTON SLEEVING AND TAPES



No. 040419



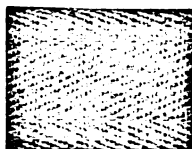
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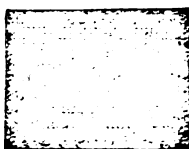
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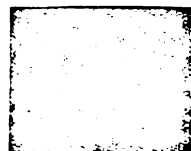
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No. 040432

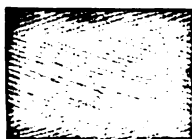


No. 040435

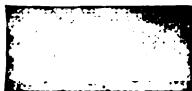


No. 040438

BRAIDED COTTON SLEEVING



No. 040441



No. 040443

Diam. Inches	Slips Over Size Wire	Trade No.	WHITE Price, per 100 Yds.	*Colors Trade No.	Price, per 100 Yds.
1/2	0000	040419	\$1.50	094501	\$1.75
7/16	000	040420	1.35	094502	1.60
3/8	00 and 0	040421	1.10	094503	1.35
5/16	1	040422	.78	094504	.93
3/4	2	040423	.68	094505	.78
1/2	3	040424	.47	094506	.55
7/16	4 and 5	040425	.40	094507	.46
3/8	6	040426	.36	094508	.42
5/16	7 and 8	040427	.34	094509	.39
3/4	9 to 11	040428	.32	094510	.37
1/2	12 to 15	040429	.31	094511	.35
7/16	16 to 20	040430	.30	094512	.33
3/8	21 and finer	040431	.29	094513	.31

*In ordering, specify color desired.

PLAIN LINEN TAPE

Trade No.	Width Inches	Thickness Inches	Price, per Gross Yds.
040432	1/2	.007	\$0.465
040433	3/4	.007	.565
040434	1	.007	.80

EXTRA LINEN TAPE

Trade No.	Width Inches	Thickness Inches	Price, per Gross Yds.
040435	1/2	.007	.565
040436	3/4	.007	.765
040437	1	.007	.965

COMMON COTTON TAPE

Trade No.	Width Inches	Thickness Inches	Price, per Gross Yds.
040438	1/2	.011	.53
040439	3/4	.011	.765
040440	1	.011	1.10

STAR TAPE

Trade No.	Width Inches	Thickness Inches	Price, per Gross Yds.
040441	3/4	.013	.63
040442	1	.013	.80

SILK TAPE

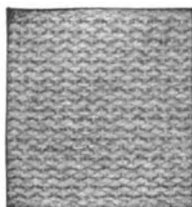
Trade No.	Width Inches	Thickness Inches	Price, per Gross Yds.
040443	3/8	.005	1.60

STAY BINDING

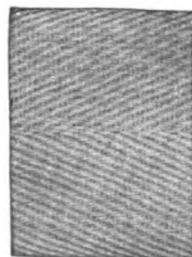
Trade No.	Width Inches	Thickness Inches	Price, per Gross Yds.
040444	1 1/4	.011	1.20
040445	1 1/2	.011	1.43

NON-ELASTIC WEB

Trade No.	Width Inches	Thickness Inches	Price, per Gross Yds.
040446	1/2	.027	1.00
040447	3/4	.027	1.225
040448	1	.027	1.50
040449	1 1/4	.027	1.93



No. 040444



No. 040446

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

INSULATING MATERIAL

VULCANIZED FIBER

Red, Black or Gray Sheets

Trade No.	Thickness Inches	Price per Lb.	Trade No.	Thickness Inches	Price per Lb.	Trade No.	Thickness Inches	Price per Lb.
42504	.005	1.20	105185	.075	.70	5423	$\frac{7}{8}$	.98
5414	.010	1.00	105186	.100	.70	5424	1	1.12
5415	.015	.80	5418	$\frac{1}{8}$	.70	105188	$1\frac{1}{8}$	1.40
42505	.020	.70	42491	$\frac{3}{8}$	.72	5425	$1\frac{1}{4}$	1.70
105181	.025	.70	5419	$\frac{1}{4}$	.72	105189	$1\frac{3}{8}$	2.10
5416	.030	.70	105187	$\frac{5}{8}$	.72	105190	$1\frac{1}{2}$	2.60
105182	.035	.70	42492	$\frac{3}{8}$	.72	105191	$1\frac{5}{8}$	3.20
105183	.040	.70	5420	$\frac{1}{2}$	.76	105192	$1\frac{3}{4}$	4.20
105184	.045	.70	42494	$\frac{5}{8}$	.82	105193	$1\frac{7}{8}$	6.20
5417	.060	.70	5422	$\frac{3}{4}$	.88	105194	2	8.20

Intermediate sizes at price of next thinner, except that on sizes from $\frac{1}{4}$ -inch and up a variation of .015 inch or less will not be considered intermediate, and will take the price of the nearest standard thickness. Extra charge for cutting.

Approximate Weight of Sheets

Thickness Inches	Weight Pounds	Thickness Inches	Weight Pounds	Thickness Inches	Weight Pounds	Thickness Inches	Weight Pounds
.005	.8	.035	5.6	$\frac{1}{8}$	20	$\frac{5}{8}$	100
.010	1.6	.040	6.4	$\frac{3}{8}$	30	$\frac{3}{4}$	120
.015	2.4	.045	7.2	$\frac{1}{4}$	40	$\frac{7}{8}$	138
.020	3.2	.060	9.6	$\frac{5}{8}$	50	1	155
.025	4.	.075	12.	$\frac{3}{8}$	60	$1\frac{1}{8}$	175
.030	4.8	.100	16.	$\frac{1}{2}$	80	$1\frac{1}{4}$	195
						$\frac{3}{2}$	315

Approximate Size of Sheets

.005 to .120 inch thick, 48x80 inches; $\frac{1}{8}$ to $\frac{3}{4}$ inch thick, 44x70 inches; $\frac{3}{8}$ to 2 inches thick, 46x76 inches.

We can also furnish fiber up to .025 inch thick, in rolls about 46 inches wide.

Red, Black or Gray Rod

Trade No.	Diameter Inches	Price per Ft.	Trade No.	Diameter Inches	Price per Ft.	Trade No.	Diameter Inches	Price per Ft.
42495	$\frac{3}{16}$	.15	06726	$\frac{11}{16}$	.50	42499	$1\frac{3}{8}$	5.00
06719	$\frac{1}{4}$	.15	06727	$\frac{3}{4}$	.65	06731	$1\frac{1}{2}$	8.00
06720	$\frac{5}{16}$	.16	42496	$\frac{5}{8}$	.80	42500	$1\frac{5}{8}$	10.00
06721	$\frac{3}{8}$	.18	06728	$\frac{7}{8}$	1.00	42501	$1\frac{3}{4}$	15.00
06722	$\frac{7}{8}$	.22	42497	$\frac{15}{16}$	1.25	42502	$1\frac{7}{8}$	25.00
06723	$\frac{1}{2}$	.28	06729	1	2.00	42503	2	35.00
06724	$\frac{9}{16}$	.35	42498	$1\frac{1}{8}$	3.00	....	....	....
06725	$\frac{5}{8}$	.40	06730	$1\frac{1}{4}$	4.00	....	....	....

Intermediate sizes take list of next larger.

Tube

Trade No.	Inside Diam., In.	$\frac{1}{4}$ -in. Wall	$\frac{3}{8}$ -in. Wall	$\frac{1}{2}$ -in. Wall	Price, per Foot	$\frac{3}{4}$ -in. Wall	$\frac{1}{2}$ -in. Wall	$\frac{1}{4}$ -in. Wall
06733	$\frac{1}{4}$	.20	.28	.36	.44	.52	....	....
06734	$\frac{3}{8}$	.22	.32	.42	.52	.62	....	....
06735	$\frac{1}{2}$	.24	.36	.48	.60	.72	.84	.96
06736	$\frac{5}{8}$	.28	.42	.56	.70	.84	.98	1.12
06737	$\frac{3}{4}$	.32	.48	.64	.80	.96	1.12	1.28
06738	1	.40	.60	.80	1.00	1.20	1.40	1.60
06739	$1\frac{1}{4}$	.48	.72	.96	1.20	1.44	1.68	1.92
06740	$1\frac{1}{2}$	.56	.84	1.12	1.40	1.68	1.96	2.24

Prices for intermediate and larger sizes quoted on application.

ASBESTOS PAPER

Trade No.	Thickness Inches	Wt., Lbs. per 100 Ft.	Price per Lb.	Trade No.	Thickness Inches	Wt., Lbs. per 100 Ft.	Price per Lb.
063221	$\frac{1}{32}$	16	.12	063223	$\frac{1}{16}$	45	.12
063222	$\frac{1}{16}$	30	.12	063224	$\frac{1}{8}$	60	.12

In rolls 36 inches wide, 100 pounds each.

ASBESTOS SHEET MILLBOARD

In Sheets 40x40 Inches

Trade No.	Thickness Inches	Wt., Lbs. per Sheet	Price per Lb.	Trade No.	Thickness Inches	Wt., Lbs. per Sheet	Price per Lb.
063225	$\frac{1}{32}$	2	.20	063230	$\frac{3}{16}$	12	.20
063226	$\frac{1}{16}$	3	.20	063231	$\frac{1}{4}$	14	.20
063227	$\frac{1}{8}$	4	.20	063232	$\frac{3}{8}$	23	.20
063228	$\frac{1}{4}$	6	.20	063233	$\frac{1}{2}$	27	.20
063229	$\frac{3}{8}$	8	.20	.....	....	....	....

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

INSULATING AND FRICTION PAPER

RED ROPE PAPER

Red Rope Paper is manufactured from an all hemp stock, free from pinholes and is guaranteed to contain no wood pulp. The coloring pigment is carefully selected and is free from deleterious matter.

Trade No.	Mfrs. No.	Thickness Inches	Width of Roll, In.	APPROX. WEIGHT, POUNDS		Per Sheet	Price per Lb.
				Per Roll	Per 100 Sq. Yds.		
16690	2629	.005	36	100	27	....	\$0.30
16691	2630	.010	36	100	47	....	.30
16692	2631	.015	36	100	69	....	.30

FULLERBOARD

Fullerboard is a smooth, tough, dense, yellow insulating board, more pliable and not as hard as fibre, and a better insulator. It can be furnished in rolls in thicknesses up to .017, at slight increase in prices.

16697	2650	.008	....	....	....	.46	.25
16698	2651	.010	....	....	....	.58	.25
16699	2652	.012	....	....	....	.74	.25
16700	2653	.015	....	....	....	.83	.25
16701	2654	.017	....	....	....	.95	.25
16702	2655	.020	....	....	....	1.10	.25
16703	2656	.032	....	....	....	2.00	.25

Fullerboard is furnished in sheets approximately 32x36 inches.

FISH PAPER

Fish Paper is somewhat similar to hard fibre, but is a much better insulator and has greater flexibility. High temperatures do not affect it to the extent that they do other insulating papers.

16704	2670	.005	46	25	28	....	.50
16705	2671	.007	46	25	38	....	.50
16706	2672	.010	46	25	53	....	.50
16707	2673	.015	46	25	88	....	.50
16708	2674	.020	....	....	....	1.42	.50
16709	2675	.025	....	....	....	1.90	.50
16710	2676	$\frac{1}{32}$	....	....	....	2.25	.50

Nos. 2674, 2675 and 2676 are furnished in sheets approximately 36x48 inches.

CROCUS CLOTH

Trade No.		Price per Ream
063207	In sheets 9x11 inches.....	\$26.50

SAND PAPER

In Sheets 8 $\frac{1}{2}$ x10 $\frac{1}{2}$ Inches

Trade No.	Mfrs. No.	Price per Ream*
063183	00	\$4.25
063184	0	4.25
063185	$\frac{1}{2}$	4.25
063186	1	4.75
063187	1 $\frac{1}{2}$	4.75
063188	2	4.75
063189	2 $\frac{1}{2}$	5.25
063190	3	5.25

*A ream is 480 sheets.

EMERY PAPER

In Sheets 9x11 Inches

Trade No.	Mfrs. No.	Price per Ream
063191	00	\$10.25
063192	0	10.25
063193	$\frac{1}{2}$	10.25
063194	1	12.00
063195	1 $\frac{1}{2}$	12.75
063196	2	13.50
063197	2 $\frac{1}{2}$	15.50
063198	3	18.25

EMERY CLOTH

In Sheets 9x11 Inches

Trade No.	Mfrs. No.	Price per Ream
063199	00	\$26.50
063200	0	26.50
063201	$\frac{1}{2}$	26.50
063202	1	28.50
063203	1 $\frac{1}{2}$	29.75
063204	2	30.75
063205	2 $\frac{1}{2}$	33.00
063206	3	35.25

RU-BER-OID WATERPROOF CLOTH

A high grade canvas, saturated and coated with Ru-ber-oid Waterproof Compounds, for binding cables and motor leads, and for motor curtains, etc.

Trade No.	Width Inches	Size of Roll Lineal Yards	Price, per Lineal Yd.
36156	29	30	\$0.45

LITTLE GIANT INSULATING PAPER

A high grade paper, saturated and coated with waterproof insulating compounds.

Trade No.	Width Inches	Sq. Feet per Pound	Thickness Inches	Price per Lb.
36157	36	45 to 50	5/1000	\$0.25

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

INSULATING MATERIAL

Nos. 1 AND 11 INDIA MICANITE PLATE

For Molding

No. 1 India Micanite Plate is made of very thin films of India mica cemented together with pure shellac and carefully surfaced to a uniform thickness. When heated it becomes flexible, and in that condition can readily be formed into such shapes as conical and band rings for commutators, troughs for armature slots, spools for magnets, and the thinner sheets rolled into tubes. Upon cooling it regains its rigidity. It is also used for flat work where high temperature is not a factor, such as transformer insulation, etc.

It is not intended for insulation between the copper bars of commutators, and must not be used for that purpose.

No. 11 India Micanite Plate is made of the same quality of India mica films and shellac as that used in the No. 1 plate, but is not quite as exact to thickness. It becomes flexible when heated, is readily molded into form, and is suitable for all general purposes where a slight variation in thickness is permissible, except commutator segments. It is not intended for insulation between the copper bars of commutators.

			No. 1			No. 11		
Thickness Inches	Approx. Lbs. per Sheet	Aver. Punct. Voltage	Trade No.	Mfrs. No.	Price per Lb.	Trade No.	Mfrs. No.	Price per Lb.
.010	.503	9540	041466	1200	\$2.50	041514	1218	\$2.15
.015	.748	14310	041467	1201	2.50	041515	1219	2.15
.020	.946	19080	041468	1202	2.50	041513	1220	2.15
.025	1.21	23850	041469	1203	2.10	041517	1221	2.00
.030	1.53	28620	041470	1204	2.10	041518	1222	2.00
$\frac{1}{4}$	1.64	29765	041471	1205	2.10	041519	1223	2.00
.035	1.68	33390	041472	1206	2.10	041520	1224	2.00
.040	2.17	38160	041473	1207	2.10	041521	1225	2.00
.045	2.25	42930	041474	1208	2.10	041522	1226	2.00
$\frac{1}{2}$	2.42	44645	041475	1209	2.10	041523	1227	2.00
.050	2.64	47700	041476	1210	2.10	041524	1228	2.00
$\frac{3}{8}$	3.32	59625	041479	1213	2.10	041527	1231	2.00
$\frac{1}{2}$	4.92	89390	041482	1216	2.10	041530	1234	2.00
$\frac{3}{4}$	6.22	119250	041483	1217	2.10	041531	1235	2.00

No. 1 plate, in standard size 18x36-inch sheets, can be furnished of any special thickness at the following prices: .025 inch or over, \$2.10 per pound; .024 inch or under, \$2.50 per pound.

No. 11 plate, in standard size 18x36-inch sheets, can be furnished of any special thickness at following prices: .025 inch or over, \$2.00 per pound; .024 inch or under, \$2.15 per pound.

Sheets of special size or shape, at slight increase over above prices.

Nos. 2 AND 22 INDIA MICANITE PLATE

For Commutator Segment Insulation

No. 2 India Micanite Plate is made of very thin films of India mica cemented together with the smallest possible amount of pure shellac, and carefully surfaced to a uniform thickness. This plate is specially made to be cut into segments for insulating copper bars of commutators, and cannot be molded.

No. 22 India Micanite Plate is made of the same quality of India mica films and shellac as used in the No. 2 plate. This plate differs from No. 2 only in that the variation in thickness is not confined to such close limits. In practice it gives admirable service for commutator bar insulation, but cannot be molded.

			No. 2			No. 22		
Thickness Inches	Approx. Lbs. per Sheet	Aver. Punct. Voltage	Trade No.	Mfrs. No.	Price per Lb.	Trade No.	Mfrs. No.	Price per Lb.
.010	.567	9550	041484	1236	2.85	041532	1254	2.60
.015	.85	14325	041485	1237	2.85	041533	1255	2.60
.020	1.13	19100	041486	1238	2.85	041534	1256	2.60
.025	1.41	23875	041487	1239	2.35	041535	1257	2.15
.030	1.70	28650	041488	1240	2.35	041536	1258	2.15
$\frac{1}{4}$	1.78	29800	041489	1241	2.35	041537	1259	2.15
.035	1.98	33425	041490	1242	2.35	041538	1260	2.15
.040	2.27	38200	041491	1243	2.35	041539	1261	2.15
.045	2.55	42975	041492	1244	2.35	041540	1262	2.15
$\frac{1}{2}$	2.65	44695	041493	1245	2.35	041541	1263	2.15
.050	2.83	47750	041494	1246	2.35	041542	1264	2.15
.060	3.4	57300	041496	1248	2.35	041544	1266	2.15
$\frac{3}{8}$	3.54	59685	041497	1249	2.35	041545	1267	2.15
$\frac{1}{2}$	5.3	89485	041500	1252	2.35	041548	1270	2.15
$\frac{3}{4}$	7.05	119375	041501	1253	2.35	041549	1271	2.15

No. 2 plate, in standard size 18x36-inch sheets, can be furnished of any special thickness at following prices: .025 inch or over, \$2.35 per pound; .024 inch or under, \$2.85 per pound.

No. 22 plate, in standard size 18x36-inch sheets, can be furnished of any thickness at following prices: .025 inch or over, \$2.15 per pound; .024 inch or under, \$2.60 per pound.

Sheets of special size or shape, at slight increase over above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

INSULATING MATERIAL

Nos. 3 AND 33 AMBER MICANITE PLATE

No. 3 Amber Micanite Plate is made of very thin films of Canadian amber mica cemented together with pure shellac and carefully surfaced to a uniform thickness. This plate is in every way identical with our No. 2 India plate, except in the mica. This being Canadian amber, the plate is softer and presents less liability of failure to wear down evenly with the copper. For commutators containing a larger number of bars, or where the insulation is thicker than $\frac{1}{32}$, or where copper bars and brushes are softer than those usually employed, we recommend the use of No. 3 plate instead of No. 2. This plate cannot be molded.

No. 33 Amber Micanite Plate is made of the same quality of Canadian amber mica films and shellac that is used in our No. 3 plate. This plate differs from No. 3 only in that the variation in thickness is not confined to such close limits. In practice it gives admirable service for commutator work. This plate cannot be molded.

Thickness Inches	Approx. Lbs. per Sheet	Aver. Punct. Voltage	No. 3			No. 33		
			Trade No.	Mfrs. No.	Price per Lb.	Trade No.	Mfrs. No.	Price per Lb.
.020	1.17	16600	041502	1272	\$4.00	041551	1284	\$3.35
.025	1.47	20750	041503	1273	3.40	041552	1285	3.05
.030	1.76	24900	041504	1274	3.40	041553	1286	3.05
$\frac{1}{32}$	1.83	25895	041505	1275	3.40	041554	1287	3.05
.035	2.05	29050	041506	1276	3.40	041555	1288	3.05
.040	2.35	33200	041507	1277	3.40	041556	1289	3.05
.045	2.64	37350	041508	1278	3.40	041557	1290	3.05
$\frac{1}{8}$	2.74	38845	041509	1279	3.40	041558	1291	3.05
.050	2.94	41500	041510	1280	3.40	041559	1292	3.05
.060	3.52	49800	041512	1282	3.40	041561	1294	3.05
$\frac{1}{4}$	3.67	51875	041513	1283	3.40	041562	1295	3.05

No. 3 plate, in standard size 18x36-inch sheets, can be furnished of any special thickness at following prices: .025 inch thick or over, \$3.40 per pound; .024 inch thick or under, \$4.00 per pound.

No. 33 plate, in standard size 18x36-inch sheets, can be furnished of any special thickness at following prices: .025 inch thick or over, \$3.05 per pound; .024 inch thick or under, \$3.35 per pound.

Sheets of special size or shape, at slight increase over above prices.

No. 4 INDIA MICANITE PLATE

No. 4 India Micanite Plate is made for flat work and for purposes where extreme accuracy of thickness is not important. It is suitable for all kinds of bases, round and square washers, and for all kinds of apparatus not subjected to high heat.

Its non-liability of fracture under extreme vibration is a valuable feature for marine work. It does not take a screw thread, but can be drilled and turned.

No. 4 plate is not furnished thinner than $\frac{1}{16}$ inch.

Trade No.	Mfrs. No.	Thickness Inches	Approx. Lbs. per Sheet	Aver. Punct. Voltage	Price per Lb.
041382	1296	$\frac{1}{16}$	2.95	50000	\$1.35
041383	1297	$\frac{3}{32}$	4.3	75000	1.35
041384	1298	$\frac{1}{8}$	5.9	100000	1.35
041385	1299	$\frac{3}{16}$	9.85	150000	1.35
041386	1300	$\frac{1}{4}$	13.2	200000	1.35
041387	1301	$\frac{5}{16}$	19.1	300000	1.35
041388	1302	$\frac{1}{2}$	25.7	400000	1.35

No. 4 plate, in standard size 18x36-inch sheets, can be furnished of any special thickness at the following price: $\frac{1}{16}$ inch or over, \$1.35 per pound.

Sheets of special size or shape, at slight increase over above prices.

No. 5 FLEXIBLE MICANITE PLATE

No. 5 Flexible Micanite is made of very thin films of India mica cemented together with a special insulating cement. Especially adapted for armature slots, armature, magnet, and commutator cores, transformers, field coils, etc.

041389	1303	.005	.575	2940	2.35
041390	1304	.010	.967	5880	2.00
041391	1305	.015	1.43	8820	1.75
041392	1306	.020	1.84	11760	1.75
041393	1307	.025	2.24	14700	1.75
041394	1308	.030	2.64	17640	1.75
041395	1309	$\frac{1}{16}$	3.04	18345	1.75
041399	1313	$\frac{1}{8}$	6.03	36755	1.75
041400	1314	$\frac{1}{4}$	12	73500	1.75

Standard size sheets, 36x36 inches, can be furnished of any special thickness at the following prices: .015 inch or over, \$1.75 per pound; .010 inch to .014 inch, \$2.00 per pound; .009 inch or under, \$2.35 per pound.

Sheets of special size or shape, at slight increase over above prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

INSULATING MATERIAL

LINOTAPE—VARNISHED CAMBRIC

Linotape is the registered trade mark name under which Empire Oiled Cloth in tape form is sold. Tape is cut in any width from $\frac{3}{8}$ inch and above, from all grades of Empire material.

Linotape is an insulating tape of the highest order. Its virtue, as with Empire material rests in the multiplication of oxidized oil films on its surfaces. It has come into general use as the insulating medium for cables of all descriptions, and is used extensively in coil winding, cable splicing, bus bars and all high tension work.

It is furnished in rolls guaranteed to contain 72 lineal yards, each roll coated on the edges with paraffin to exclude moisture, and both straight and bias are continuous in the roll.

LINOTAPE—BIAS CUT

No. 72—Thickness, .007 In.				No. 10—Thickness, .010 In.				No. 125—Thickness, .012 In.			
Width Inches	Trade No.	Mfrs. No.	Price per 144 Yds.	Trade No.	Mfrs. No.	Price per 144 Yds.		Trade No.	Mfrs. No.	Price per 144 Yds.	
$\frac{3}{8}$	041565	1600	\$1.25	041577	1630	\$1.35		041585	1665	\$1.65	
$\frac{1}{2}$	041566	1601	1.45	041578	1631	1.55		041586	1666	1.85	
$\frac{5}{8}$	041567	1602	1.75	041579	1632	1.85		041587	1667	2.20	
$\frac{3}{4}$	041568	1603	2.05	041580	1633	2.15		041588	1668	2.55	
$\frac{7}{8}$	041569	1604	2.35	041581	1634	2.45		041589	1669	2.90	
1	041570	1605	2.60	041582	1635	2.75		041590	1670	3.25	
$1\frac{1}{4}$	041571	1606	3.25	041583	1636	3.45		041563	1671	4.05	
$1\frac{1}{2}$	041572	1607	3.90	041584	1637	4.15		041564	1672	4.90	

LINOTAPE—LENGTHWISE CUT

No. L—Thickness, .007 In.				No. B—Thickness, .010 In.				No. N—Thickness, .012 In.			
Width Inches	Trade No.	Mfrs. No.	Price per 144 Yds.	Trade No.	Mfrs. No.	Price per 144 Yds.		Trade No.	Mfrs. No.	Price per 144 Yds.	
$\frac{3}{8}$	041362	2333	1.15	041354	2343	1.25		041575	2363	1.50	
$\frac{1}{2}$	041363	2334	1.35	041355	2344	1.45		041576	2364	1.70	
$\frac{5}{8}$	041364	2335	1.60	041356	2345	1.70		16658	2365	2.05	
$\frac{3}{4}$	041365	2336	1.85	041357	2346	1.95		16659	2366	2.35	
$\frac{7}{8}$	041366	2337	2.10	041358	2347	2.25		16660	2367	2.70	
1	041367	2338	2.35	041359	2348	2.50		16661	2368	3.00	
$1\frac{1}{4}$	041573	2339	2.95	041360	2349	3.15		16662	2369	3.75	
$1\frac{1}{2}$	041574	2340	3.55	041361	2350	3.80		16663	2370	4.50	

Prices of widths greater than $1\frac{1}{2}$ inches are proportionate to price of 1 inch width. In addition to tapes listed above any width of any thickness of Empire Cloth will be cut to order, provided order amounts to multiple of 72 square yards.

EMPIRE OILED PAPER

The papers forming the bases all possess the greatest tensile strength consistent with their thickness and have been selected for their uniformity of thickness, and freedom from deleterious chemicals such as sulphite, etc. The oil films with which they are coated are of exactly the same nature as the films on Empire Cloths, Linen, etc.

Special attention is called to the condenser papers which, on account of their extreme thinness and high tensile strength, are giving great satisfaction to the manufacturers of induction coils, and other delicate work. The thicker papers have been selected for their great tensile strength, density and evenness of texture.

Furnished in rolls 36 inches wide, containing 25 or 50 yards, or in sheets 36x36 inches.

Trade No.	Mfrs. No.	Quality of Raw Fabric	THICKNESS		Approx. Thickness Oil Films Inches	Approx. Dielectric Strength per .001 In.	Price per Yd.
			Inches	MM.			
16664	101	Condenser	.0015	0.038	.0005	1740	\$0.28
041333	102	Condenser	.002	0.051	.001	1700	.30
041339	103	Condenser	.003	0.076	.001 $\frac{3}{4}$	1460	.32
041340	104	Kraft	.004	0.102	.002	1350	.28
16665	135	Express	.0045	0.115	.0015	1150	.22
041341	105	Gray Rope	.005	0.127	.002	1240	.30
041342	106	Bond	.005 $\frac{1}{2}$	0.14	.002 $\frac{1}{2}$	1250	.40
041343	107	Red Rope	.007	0.178	.003	1150	.38
041344	109	Gray Rope	.009	0.228	.004	1070	.42
041345	110	Express	.010	0.254	.005	980	.45
041346	1111	Fullerboard	.011	0.279	.004	800	.47
041347	1113	Cement Rope	.013	0.330	.004	810	.52
16666	1114	Fullerboard	.014	0.355	.003	785	.68
16667	115	Red Rope	.015	0.381	.010	1000	.70
16668	118	Cement	.018	0.457	.003	790	.65

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

INSULATING MATERIAL**Nos. 20 AND 21 MICANITE CLOTH**

No. 20 is made with 1, 2, or 3 layers of India mica films, carefully cemented together, one side of the sheet being faced with cotton cloth and the other with Japanese paper.

No. 21 is identical with No. 20, except that the material is made with a very thin rubber tissue as a binder between the layers of mica, cloth and paper.

Thick- ness Inches	Layers of Mica	No. 20				No. 21			
		Trade No.	Mfrs. No.	Approx. Lbs. per Roll	Price per Lb.	Trade No.	Mfrs. No.	Approx. Lbs. per Roll	Price per Lb.
.008	1	041401	1315	2.8	\$2.30	041404	1318	2.1	\$3.20
.011	2	041402	1316	4.2	2.15	041405	1319	3.5	2.95
.014	3	041403	1317	5.4	2.10	041406	1320	4.7	2.75

Nos. 24 AND 25 MICANITE PAPER

No. 24 paper is similar to No. 20 cloth, except that the material is faced on both sides with Japanese tissue paper instead of cotton cloth, making it more flexible than the cloth.

No. 25 paper is similar to No. 24 paper, except a very thin rubber tissue is used as a binder between the layers of mica, cloth and paper, instead of an oil varnish which is used in the No. 24 paper.

Thick- ness Inches	Layers of Mica	No. 24				No. 25			
		Trade No.	Mfrs. No.	Approx. Lbs. per Roll	Price per Lb.	Trade No.	Mfrs. No.	Approx. Lbs. per Roll	Price per Lb.
.005	1	041407	1321	2.1	2.50	041410	1324	1.8	3.45
.008	2	041408	1322	3.3	2.30	041411	1325	3	3.10
.011	3	041409	1323	4.4	2.30	041412	1326	4.1	2.85

No. 26 ROPE PAPER AND MICA

A composite insulation consisting of rope paper faced on one side with two layers of India mica films and tissue paper. This material has a wide range of utility in the field of moderate voltages and temperatures.

It is furnished in sheets 36x36 inches in the following stock thicknesses.

Trade No.	Mfrs. No.	Layers of Mica	Thickness of Raw Paper Inches	Approx. Finished Thickness Inches	Approx. Ounces per Sheet	Price per Lb.
16634	1327	2	.003	.007	7½	\$2.35
16635	1328	2	.005	.010	12	1.75
16636	1329	2	.010	.015	15	1.40

No. 27 PRESSBOARD AND MICA

This material is composed of No. 1 pressboard faced on one side with two overlapping layers of India mica films and tissue paper.

Mechanically the sheet possesses greater rigidity than No. 26 rope paper and mica, otherwise the insulation is of the same order.

It is furnished in sheets 36x36 inches and the following thicknesses are kept in stock.

Trade No.	Mfrs. No.	Layers of Mica	Thickness of Raw Paper Inches	Approx. Finished Thickness Inches	Approx. Ounces per Sheet	Price per Lb.
16637	1330	2	.007 to .008	.012	14½	1.60
16638	1331	2	.012	.017	18	1.30
16639	1332	2	.015	.020	21¼	1.20

No. 29 FISH PAPER AND MICA

This material consists of fish paper faced on one side with two overlapping layers of India mica films and tissue paper. The fish paper employed is also known as Flyberoid, Tarpon Paper, Peerless Paper, etc. This insulation is recommended when a material stronger than rope paper or pressboard is desired as a base for the mica films.

It is furnished in sheets 36x47 inches and the following thicknesses are kept in stock.

Trade No.	Mfrs. No.	Layers of Mica	Thickness of Raw Paper Inches	Approx. Finished Thickness Inches	Approx. Ounces per Sheet	Price per Lb.
16640	1350	2	.005	.010	1.2	1.60
16641	1351	2	.007	.012	1.4	1.50
16642	1352	2	.010	.015	1.6	1.35
16643	1353	2	.015	.020	2	1.20

No. 32 MICANITE PAPER TAPE

This tape consists of a layer of India Mica Films faced on both sides with tissue paper.

It is extensively used for insulating armature coils and bars in conjunction with Linotape or the ordinary friction tape.

In thickness it runs from .005 to .007 and is put up in rolls containing 100 linear feet.

The following widths are kept in stock.

16646	1357	$\frac{3}{4}$	.005 to .007	4 $\frac{1}{2}$	3.30
16647	1358	1	.005 to .007	6	3.30

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

INSULATING MATERIAL

EMPIRE OILED CLOTHS

The fabric base of Empire Oiled Cloth is specially finished and closely woven cambric made from long fibre cotton, special attention being paid to its tensile strength. The coating consists of two or more films of pure oxidized oil which is prepared under a special process. The number of each grade, as will be noticed, gives an indication of the thickness.

For Empire Cloth cut into tape, see under Linotape.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Trade No.	Mfra. No.	Quality of Raw Fabric	THICKNESS		Approx. Thickness Oil Films Inches	APPROX. DIELECTRIC STRENGTH		Price per Yd.
			Inches	MM.		Before Baking per .001 Inch	After Baking 48 Hours per .001 Inch	
041327	4	Cambric	.004	0.102	.001	1400	1470	\$0.56
041328	5	Cambric	.005	0.127	.001	1080	1250	.55
041348	50	Cambric	.005	0.127	.001	900	1092	.48
041329	500	Cambric	.005	0.127	.001	980	1080	.44
041330	7	Cambric	.007	0.178	.003	1171	1470	.60
041349	70	Cambric	.007	0.178	.002	945	1030	.50
041335	700	Cambric	.007	0.178	.0025	1070	1080	.45
041331	8	Cambric	.008	0.203	.003	1030	1210	.58
041350	80	Cambric	.008	0.203	.003	970	1150	.52
041336	800	Cambric	.008	0.203	.0035	1000	1270	.48
041332	10	Cambric	.010	0.254	.0045	1100	1166	.62
041351	100	Cambric	.010	0.254	.005	1000	1130	.56
041337	1000	Cambric	.010	0.254	.0055	1080	1210	.52
041333	12	Cambric	.012	0.305	.0065	965	1230	.72
041352	120	Cambric	.012	0.305	.007	1020	1140	.67
16679	1200	Cambric	.012	0.305	.0075	1010	1060	.62
041334	15	Cambric	.015	0.381	.0095	1020	1240	.90
041353	150	Cambric	.015	0.381	.010	1060	1220	.85
16689	1500	Cambric	.015	0.381	.0105	1050	1080	.78

EMPIRE OILED CANVAS AND DUCK

Nos. 155 and 16 are made on fabric bases that have been specially finished to insure smooth and even coating of the oil. Nos. 200 and 300 duck have great resistance to mechanical wear and imperviousness to moisture, but do not have the same smooth surface as other cloths.

16680	155	Canvas	.015	0.381	.007	600	740	.80
16681	16	Canvas	.016	0.406	.005	765	730	.85
16682	200	Duck	.020	0.508	....	....	....	.85
16683	300	Duck	.030	0.762	....	....	....	1.20

EMPIRE OILED LINEN

For purposes of insulation linen has no special advantage over cotton, except that of resisting a slightly higher voltage for a given thickness. Only one grade is made, the base being an imported Irish linen coated with double films of special oxidized Empire Oil, and the fabric is thoroughly impregnated.

16684	6	Linen	.006	0.152	.002	1258	1373	1.40
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EMPIRE OILED SILK

Empire Oiled Silk has for a base a closely woven fabric of pure silk. It is an excellent insulation where a material possessing very high insulating qualities combined with extreme thinness and great flexibility is demanded. Two grades in two thicknesses are manufactured.

16685	44	Silk	.004	0.102	.00175	1230	1330	1.20
16686	440	Silk	.004	0.102	.00175	1350	1450	1.60
16687	66	Silk	.006	0.152	.00375	1100	1200	1.35
16688	660	Silk	.006	0.152	.00375	1230	1330	1.70

Furnished in rolls of 25, 50 and 100 yards, or in any length desired. Any width cut to order, provided order amounts to multiples of 72 square yards.

ELECTRICAL MICA

INDIA AND DOMESTIC CUT MICA

All larger sizes at special prices.
 Sizes not listed charged at list of next larger size.

Trade No.	Size Inches	Price per Lb.	Trade No.	Size Inches	Price per Lb.	Trade No.	Size Inches	Price per Lb.	Trade No.	Size Inches	Price per Lb.
13676	1 x4	\$4.50	13744	2 x4	\$6.75	13801	2 3/4 x7	\$11.75	13851	4 x5 1/2	\$11.50
13677	1 x4 1/2	6.50	13745	2 x4 1/2	8.75	13802	2 3/4 x8	13.50	13852	4 x6	12.50
13678	1 x5	7.00	13746	2 x5	9.00	13803	2 3/4 x9	14.50	13853	4 x6 1/2	13.00
13679	1 x5 1/2	8.50	13747	2 x5 1/2	9.25	13804	2 3/4 x10	16.75	13854	4 x7	13.50
13680	1 x6	9.00	13748	2 x6	10.00	13807	3 x3	7.50	13855	4 x8	14.50
13681	1 x6 1/2	9.25	13749	2 x6 1/2	10.75	13808	3 x3 1/2	8.75	13856	4 x9	17.00
13682	1 x7	10.00	13750	2 x7	11.00	13809	3 x4	9.00	13857	4 x10	17.25
13684	1 x8	10.50	13752	2 x8	11.50	13810	3 x4 1/2	9.25	13860	4 1/2 x4 1/2	11.00
13686	1 x9	12.50	13754	2 x9	13.75	13811	3 x5	10.00	13861	4 1/2 x5	12.50
13687	1 x10	15.00	13755	2 x10	16.00	13812	3 x5 1/2	10.25	13862	4 1/2 x5 1/2	12.75
13692	1 1/4 x4	5.50	13760	2 1/4 x3	6.50	13813	3 x6	11.00	13863	4 1/2 x6	13.00
13693	1 1/4 x4 1/2	6.50	13761	2 1/4 x3 1/2	6.75	13814	3 x6 1/2	11.25	13864	4 1/2 x6 1/2	13.50
13694	1 1/4 x5	8.50	13762	2 1/4 x4	7.00	13815	3 x7	11.75	13865	4 1/2 x7	13.75
13695	1 1/4 x5 1/2	8.75	13763	2 1/4 x4 1/2	8.50	13816	3 x8	13.75	13866	4 1/2 x8	17.00
13696	1 1/4 x6	9.00	13764	2 1/4 x5	9.25	13817	3 x9	14.50	13867	4 1/2 x9	17.50
13697	1 1/4 x6 1/2	9.50	13765	2 1/4 x5 1/2	9.50	13818	3 x10	17.00	13868	4 1/2 x10	19.00
13698	1 1/4 x7	10.25	13766	2 1/4 x6	10.25	13821	3 1/4 x3 1/4	8.50	13871	5 x5	13.00
13700	1 1/4 x8	10.75	13767	2 1/4 x6 1/2	11.00	13822	3 1/4 x3 1/2	8.75	13873	5 x6	13.50
13702	1 1/4 x9	12.75	13768	2 1/4 x7	11.25	13823	3 1/4 x4	9.00	13875	5 x7	14.00
13703	1 1/4 x10	15.25	13770	2 1/4 x8	13.25	13824	3 1/4 x4 1/2	9.25	13876	5 x8	17.00
13710	1 1/2 x4	6.25	13772	2 1/4 x9	14.00	13825	3 1/4 x5	10.00	13877	5 x9	17.50
13711	1 1/2 x4 1/2	6.50	13773	2 1/4 x10	16.25	13826	3 1/4 x5 1/2	10.25	13878	5 x10	21.00
13712	1 1/2 x5	8.75	13777	2 1/2 x3	6.75	13827	3 1/4 x6	11.25	13882	5 1/2 x6	14.00
13713	1 1/2 x5 1/2	9.00	13778	2 1/2 x3 1/2	7.00	13828	3 1/4 x6 1/2	12.00	13884	5 1/2 x7	16.00
13714	1 1/2 x6	9.25	13779	2 1/2 x4	7.50	13829	3 1/4 x7	13.00	13885	5 1/2 x8	17.00
13715	1 1/2 x6 1/2	9.50	13780	2 1/2 x4 1/2	9.00	13830	3 1/4 x8	13.75	13886	5 1/2 x9	18.00
13716	1 1/2 x7	10.50	13781	2 1/2 x5	9.50	13831	3 1/4 x9	14.50	13887	5 1/2 x10	21.00
13718	1 1/2 x8	11.00	13782	2 1/2 x5 1/2	10.00	13832	3 1/4 x10	17.00	13888	5 1/2 x11	21.50
13720	1 1/2 x9	13.00	13783	2 1/2 x6	10.25	13835	3 1/2 x3 1/2	8.75	13889	5 1/2 x12	22.00
13721	1 1/2 x10	15.25	13784	2 1/2 x6 1/2	11.00	13836	3 1/2 x4	9.00	13890	6 x6	16.00
13726	1 3/4 x4	6.50	13785	2 1/2 x7	11.25	13837	3 1/2 x4 1/2	9.25	13892	6 x7	17.00
13727	1 3/4 x4 1/2	6.75	13787	2 1/2 x8	13.50	13838	3 1/2 x5	10.00	13893	6 x8	21.00
13728	1 3/4 x5	9.00	13789	2 1/2 x9	14.00	13839	3 1/2 x5 1/2	10.25	13894	6 x9	21.50
13729	1 3/4 x5 1/2	9.25	13790	2 1/2 x10	16.50	13840	3 1/2 x6	12.00	13895	6 x10	25.00
13730	1 3/4 x6	10.00	13793	2 3/4 x3	7.00	13841	3 1/2 x6 1/2	12.50	13898	7 x7	21.00
13731	1 3/4 x6 1/2	10.50	13794	2 3/4 x3 1/2	7.50	13842	3 1/2 x7	13.50	13899	7 x8	21.50
13732	1 3/4 x7	10.75	13795	2 3/4 x4	9.00	13843	3 1/2 x8	13.75	13900	7 x9	22.50
13734	1 3/4 x8	12.00	13796	2 3/4 x4 1/2	9.25	13844	3 1/2 x9	14.50	13901	7 x10	26.00
13736	1 3/4 x9	13.50	13797	2 3/4 x5	9.75	13845	3 1/2 x10	17.00	13904	8 x8	23.00
13737	1 3/4 x10	15.50	13798	2 3/4 x5 1/2	10.00	13848	4 x4	10.00	13905	8 x9	26.00
13742	2 x3	6.00	13799	2 3/4 x6	10.75	13849	4 x4 1/2	10.50	13906	8 x10	28.00
13743	2 x3 1/2	6.25	13800	2 3/4 x6 1/2	11.25	13850	4 x5	11.00	.....	.....	.....

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

UNCUT SHEET MICA

Uncut mica is carefully selected as to quality and sizes it will cut. The different grades will cut assorted sizes as shown in table.

All grades are very closely trimmed and the wastage from them when cut will be slight.

India						Amber					
Grade No.	Trade No.	Mfrs. No.	Width Inches	Length Inches	Price per Lb.	Trade No.	Mfrs. No.	Width Inches	Length Inches	Price per Lb.	
A1	041413	1499	4 to 6	7 to 9	\$4.25	041419	1510	4 to 5	7 to 9	\$3.00	
1	041414	1501	3 to 5	5 to 7	3.50	041420	1511	3 to 6	5 to 7	2.00	
2	041415	1502	1 1/2 to 3 1/2	4 1/2 to 6	3.00	041421	1512	1 1/2 to 3 1/2	4 1/2 to 6	1.50	
3	041416	1503	1 1/2 to 3	3 to 4 1/2	2.25	041422	1513	1 1/2 to 3	3 to 4	1.25	
4	041417	1504	1 1/2 to 2 1/2	2 1/2 to 3	1.50	041423	1514	1 1/2 to 2 1/2	2 1/2 to 3	1.00	
5	041418	1505	1 to 2	2 to 2 1/2	.70	041424	1515	1 to 2	2 to 2 1/2	.50	

P & B COMPOUNDS AND VARNISHES



P & B ELECTRICAL COMPOUNDS

Recognized as standard by electricians generally, on account of its insulating qualities and durability.

No. 1 compound is used where an almost immediate dryer and greatest amount of penetration possible, is desired. It leaves less surface coating than No. 2 compound.

No. 2 compound is used for all general purposes.

No. 1					
Trade No.	Size Package	Price per Gal.	Trade No.	Size Package	Price per Gal.
076918	1-barrel	\$1.50	076922	1-gallon	\$1.75
076919	1/2-barrel	1.55	076923	1/2-gallon	1.85
076920	5-gallon	1.60	076924	1-quart	2.25
076921	2 1/2-gallon	1.65	076925	1-pint	2.25
No. 2					
076926	1-barrel	1.25	076930	1-gallon	1.50
076927	1/2-barrel	1.35	076931	1/2-gallon	1.60
076928	5-gallon	1.40	076932	1-quart	2.00
076929	2 1/2-gallon	1.45	076933	1-pint	2.00

P & B BLACK AIR-DRYING VARNISH

This varnish is a high grade insulator capable of withstanding 1000 volts per mil, but not absolutely oil-proof. Should be recommended in shops where baking facilities are not available, also for general work, including switchboards, connections, junction boxes and wherever an insulator is required. Air-dries in 30 minutes.

Trade No.	Size Package	Price per Gal.	Trade No.	Size Package	Price per Gal.
076934	1-barrel	\$0.85	076943	1-gallon	\$1.10
076935	1/2-barrel	.90	076944	1/2-gallon	1.15
076937	5-gallon	1.00	076945	1-quart	1.25
076942	2 1/2-gallon	1.05	.....	.....	....

S. P. C. ARMATURE AND FIELD COIL VARNISH

The toughest and highest grade finishing varnish on the market. It dries in a few minutes to a hard glossy coat. Thin with grain or wood alcohol.

Trade No.	Size Package	Price per Gal.	Trade No.	Size Package	Price per Gal.
076938	1-barrel	\$2.90	076946	1-gallon	\$3.50
076939	1/2-barrel	3.00	076947	1/2-gallon	3.75
076940	5-gallon	3.25	076948	1-quart	4.00
076941	2 1/2-gallon	3.35	.....	.....	....

S. P. C. METER BOARD PAINT

A high grade paint especially adapted for meter boards, switchboards, etc. Quick drying, acid-proof and moisture-proof. Put up in pint cans, very convenient for electricians' tool bag kits.

Trade No.	Price, per Pint Can
076949	\$0.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & B COMPOUNDS AND VARNISHES**P & B FINISHING VARNISHES****Black and Clear**

After armature coils are baked and assembled, the finished armature should be coated with P & B Finishing Varnish (oil-proof). It is recommended where a high grade oil-proof varnish is required. This varnish is considered equal in efficiency to S. P. C. Armature and Field Coil Varnish, excepting that it does not dry to quite as hard a coat. Air-dries in 30 minutes.

When ordering, specify whether black or clear is desired.

Size Package	Trade No.	Black		Trade No.	Clear	
			Price per Gal.			Price per Gal.
1-barrel	076950		\$2.25	076958		\$2.25
1/2-barrel	076951		2.30	076959		2.30
5-gallon	076953		2.40	076961		2.40
2 1/2-gallon	076954		2.45	076962		2.45
1-gallon	076955		2.50	076963		2.50
1/2-gallon	076956		2.55	076964		2.55
1-quart	076957		2.65	076965		2.65

P & B BAKING VARNISHES**Black and Clear**

For insulating armature coils, field coils and transformer coils, they are equally efficient. Use one or the other, depending upon the choice of the consumer. They are extensively used in street railroad repair shops; are pliable and oil-proof. Clear will air-dry in about 24 hours. Black will not air-dry.

When ordering, specify whether black or clear is desired.

Size Package	Trade No.	Black		Trade No.	Clear	
			Price per Gal.			Price per Gal.
1-barrel	076966		\$1.40	076974		\$1.60
1/2-barrel	076967		1.45	076975		1.65
5-gallon	076969		1.55	076977		1.75
2 1/2-gallon	076970		1.60	076978		1.80
1-gallon	076971		1.65	076979		1.85
1/2-gallon	076972		1.70	076980		1.90
1-quart	076973		1.80	076981		2.00

P & B CORE PLATE VARNISH**Air-Drying**

For separating and insulating metal discs in building cores of air-cooled transformers and armatures of dynamos and motors. Air-dries in 10 minutes.

Trade No.	Size Package	Price per Gal.	Trade No.	Size Package	Price per Gal.
076982	1-barrel	\$0.85	076987	1-gallon	\$1.10
076983	1/2-barrel	.90	076988	1/2-gallon	1.15
076985	5-gallon	1.00	076989	1-quart	1.25
076986	2 1/2-gallon	1.05	.....	.....	....

P & B CORE PLATE VARNISH**Baking**

For insulating the metal discs of oil immersion transformers and the armatures of high voltage electrical machines; oil-proof. Should be baked at about 250 degrees Fahr. for 2 hours.

Trade No.	Size Package	Price per Gal.	Trade No.	Size Package	Price per Gal.
076990	1-barrel	\$1.35	076995	1-gallon	\$1.60
076991	1/2-barrel	1.40	076996	1/2-gallon	1.65
076993	5-gallon	1.50	076997	1-quart	1.75
076994	2 1/2-gallon	1.55	.....	.....	....

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

INSULATING LIQUIDS AND COMPOUNDS



No. 040940



No. 040946



No. 040950



No. 040960

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ARMALAC

Trade No.	Size	Price per Gallon
040940	Barrel	\$3.00
040941	1-gal. can	3.70
040942	2-gal. can	3.70
040943	5-gal. can	3.70
040944	10-gal. can	3.70

A high-grade, permanently elastic compound that meets the requirements of the trade; used for the reinforcement of the cotton covering of windings, and for paper, fibre, mica cloth, etc. Will withstand heating and cooling without crumbling or growing brittle.

ENAMELAC

040945	Barrel	1.20
040946	1-gal. can	1.50
040947	5-gal. can	1.50
040948	10-gal. can	1.50

A quick-drying, glossy black insulating paint for general work, especially inside work, switchboard, junction boxes, controller cases, and the like; will stand well on dirty surfaces, hot steam pipes, etc., and resists acid fumes and slops.

INSULLAC

040949	Barrel	3.00
040950	1-gal. can	3.70
040951	2-gal. can	3.70
040952	5-gal. can	3.70
040953	10-gal. can	3.70

A quick-drying, transparent, highly insulating varnish adapted to general use in the manufacture of electrical apparatus. It is especially adapted to cementing mica, and mica and paper. When so applied the solvent should be forced out under hydraulic pressure, between plates upon which 40 to 60 pounds of steam is applied, and allowed to remain for 48 hours. When no particular color is specified orange will be furnished, but any color desired may be obtained. Black Insullac is used to render transformer coils oil-proof.

INSULLAC THINNER

040954	Barrel	3.00
040955	1-gal. can	3.70
040956	2-gal. can	3.70
040957	5-gal. can	3.70
040958	10-gal. can	3.70

The diluting liquid for Insullac, manufactured under a process known only to this company.

No. 3 ELECTRICAL PAINT

040959	Barrel	1.80
040960	1-gal. can	2.50
040961	2-gal. can	2.50
040962	5-gal. can	2.50
040963	10-gal. can	2.50

A heavy, absolutely water and acid-proof paint, particularly adapted for acid tanks, battery cells, etc., also for the outside of railway field coils and armatures, controller cases, car fenders and similar works.

NEPONSET SHELLAC

040964	Barrel	2.70
040965	1-gal. can	3.20
040966	2-gal. can	3.20
040967	5-gal. can	3.20
040968	10-gal. can	3.20

A uniform oil-proof insulating varnish of general application around electrical installations. Comes both clear and black, and may be thinned with 96 per cent wood alcohol. Will resist hot oil, and is especially useful on the transformer tanks, frames of electrical machinery, etc. Contains no rosin.

INSULATING COMPOUNDS

M. I. C. COMPOUND

M. I. C. Compound is a black insulating varnish made in several grades to suit all requirements. It is composed chiefly of refined linseed oil treated by a special process, Cuban asphaltum and para rubber. It is especially adapted to the coating of bare metal surfaces, as it is noncorrosive. It is extremely durable and elastic after baking, is impervious to moisture and will withstand very high temperatures. It contains no carbon bisulphite or other objectionable ingredients. It can be reduced to any desired density of solution with turpentine or varnish.

No. 1 M. I. C.

No. 1 M. I. C. compound, full rubber, baking; for armature coils, field magnet coils, wires, cables and transformers; for covering cloth, paper, asbestos, hard fibre, and for use wherever the highest insulation and protection from moisture are required. Bakes hard, but elastic, at 300 degrees Fahr. in 8 hours. Air-dries in 6 hours (dust dry).

Trade No.	Mfrs. No.	Size Package	Price Each
41001	3030	1-gallon cans	\$3.15
41002	3031	5-gallon cans	2.75
41003	3032	25-gallon kegs	2.50
41004	3033	50-gallon bbls.	2.40

No. 2 M. I. C.

No. 2 M. I. C. Compound, half rubber, baking; for all outdoor work; for generators, motors, arc lamps, overhead line construction, boilers, smokestacks, etc. Bakes hard, but elastic, at 300 degrees Fahr. in 8 hours. Air-dries in 6 hours (dust dry).

41005	3036	1-gallon cans	2.85
41006	3037	5-gallon cans	2.40
41007	3038	25-gallon kegs	2.20
41008	3039	50-gallon bbls.	2.00

No. 3 M. I. C.

No. 3 M. I. C. Compound, full rubber, air-drying; for coils, etc. Dust dry in one hour.

41009	3042	1-gallon cans	2.35
41010	3043	5-gallon cans	1.95
41011	3044	25-gallon kegs	1.80
41012	3045	50-gallon bbls.	1.60

No. 4 M. I. C.

No. 4 M. I. C. Compound, half rubber, air-drying; dust dry in half an hour; specially recommended for iron work, locomotives, street car trucks, fenders, etc.

41013	3050	1-gallon cans	2.00
41014	3051	5-gallon cans	1.50
41015	3052	25-gallon kegs	1.40
41016	3053	50-gallon bbls.	1.20

No. 6 M. I. C.

No. 6 M. I. C. Compound. To meet the demands for a quick air-drying, glossy black paint, we offer our No. 6 for use on third rail supports, trolley poles, etc.

41017	3059	50-gallon bbls.	1.10
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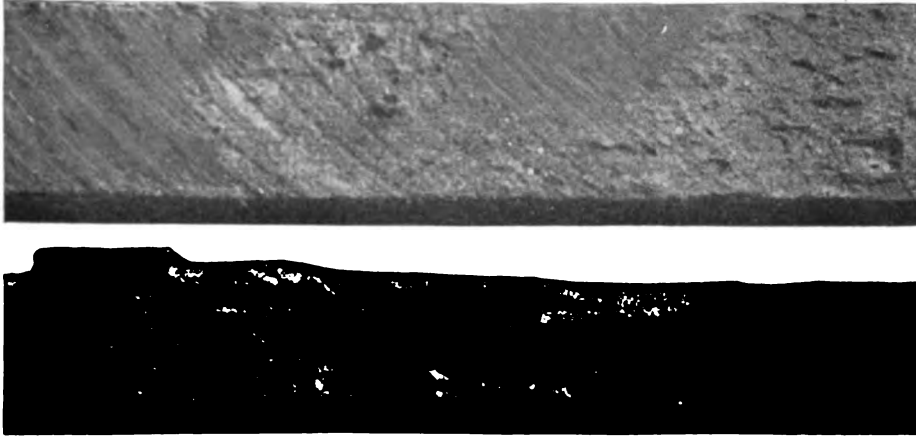


No. 040988

CRESCENT CHATTERTON COMPOUND

Trade No.		Price per Lb.
040988	No. 1 Domestic	\$1.00
040989	No. 2 Imported	2.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

C-A (CARBOLINEUM AMERICA) WOOD PRESERVER**Showing Condition of Treated and Untreated Ties in Use Five Years**

There is no mystery or secret about the value of wood preservers for brush application or open tank treatment. Government investigation, as well as the experience of others, has conclusively shown that the only part of creosote which will remain in creosoted timber after twenty or thirty years' exposure is the high-boiling oil. By this is meant the part of the creosote which distills above 300 degrees Cent. The test of time has shown that the more high-boiling oil the preserver contains the greater preservative value it has, provided, of course, that the oil is a pure coal tar distillate.

Other important advantages of C-A Wood Preserver, which is the highest-boiling pure coal tar distillate oil ever produced commercially, are: Inflammability of wood not increased by its use; strength of fibre not decreased; it is non-poisonous; it is a powerful fungicide and disinfectant; it has a pleasing brown staining effect on wood; it is self-impregnating, gradually going deep into wood by capillary attraction; it is insoluble in water, hence moisture will not affect it.

Insects and woodpeckers do not attack wood treated with C-A Wood Preserver. In the extreme South it is found that the destructive ants and other insects are effectively prevented.

Directions for Open Tank Treatment

The tank may be heated by either a steam coil laid in the bottom or, if the tank is of steel, a slow fire built underneath is satisfactory.

The timber should be dry and well seasoned to get best results. Bark and other adhering substances should be removed.

After framing, the timber should be immersed in the bath of C-A Wood Preserver, which is kept heated to 212 to 250 degrees Fahr. The length of immersion depends upon the size of the timber, the seasoning, and the kind of wood. In general, the absorption should be gauged as follows: Timbers 8x10-inch and up, 5 or 6 gallons absorbed per 1000 ft. B.M.; 7x8-inch and up, 6 or 7 gallons per 1000 ft. B.M.; 4x6-inch and up, 8 or 9 gallons per 1000 ft. B.M.; 2x4 and 2x3-inch and up, 10 gallons per 1000 ft. B.M.; wood paving blocks, 10 to 15 gallons per 1000.

Directions for Brush Application

The oil is applied with a spraying machine or with wire-bound paint brushes and is preferably heated, especially in cold or damp weather. Several coats may be applied if extra good treatment is desired.

The oil should not be brushed out thin, but soaked heavily on the timber, when it will quickly be absorbed. The ends and joints of timbers should be given extra heavy coatings.

Use wire-bound roofing brushes, 4 to 6 inches wide, with long handles.

Covering Capacity

No exact statement can be given, as conditions are seldom twice alike, but the following is a fair average:

Dressed lumber, 1 gallon covers 300 square feet, first coat; rough lumber, 1 gallon covers 150 square feet, first coat; shingle roofs, 1 gallon covers 125 square feet, first coat; second coat requires about half as much oil.

Trade No.	Size Package	Price per Gal.
091278	Iron Drum, 50 gallons.....	\$1.30
091279	Half barrel, 34 or 25 gallons.....	1.40
091280	10-gallon can.....	1.50
091281	5-gallon can, not less than 10-gallon lots.....	1.50
091282	1-gallon can, in lots of 12.....	1.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WOVEN WIRE BRUSHES

BRONZE BRUSHES

6 Inches Long

Trade No.	SIZE, INCHES Thick	Width	Price Each	Trade No.	SIZE, INCHES Thick	Width	Price Each
09019	$\frac{3}{16}$	$\frac{1}{2}$	\$0.65	09037	$\frac{1}{4}$	$\frac{3}{4}$	\$0.90
09020	$\frac{3}{16}$	$\frac{3}{4}$	.70	09038	$\frac{1}{4}$	$\frac{7}{8}$	.95
09021	$\frac{3}{16}$	1	.85	09039	$\frac{1}{4}$	1	1.00
09023	$\frac{1}{4}$	$\frac{1}{2}$	.70	.....	..	...	....

8 Inches Long

09022	$\frac{1}{4}$	$1\frac{1}{4}$	1.45	09040	$\frac{7}{16}$	$1\frac{1}{4}$	1.90
09024	$\frac{1}{4}$	$1\frac{1}{2}$	1.70	09041	$\frac{7}{16}$	$1\frac{1}{2}$	2.20
09025	$\frac{5}{16}$	1	1.40	09042	$\frac{7}{16}$	$1\frac{3}{4}$	2.40
09026	$\frac{5}{16}$	$1\frac{1}{4}$	1.60	09043	$\frac{7}{16}$	$1\frac{7}{8}$	2.55
09027	$\frac{5}{16}$	$1\frac{1}{2}$	1.80	09044	$\frac{7}{16}$	2	2.70
09028	$\frac{5}{16}$	$1\frac{3}{4}$	2.00	09045	$\frac{1}{2}$	$1\frac{1}{8}$	1.90
09029	$\frac{5}{16}$	$1\frac{7}{8}$	2.10	09046	$\frac{1}{2}$	$1\frac{5}{16}$	2.30
09030	$\frac{3}{8}$	1	1.60	09047	$\frac{1}{2}$	$1\frac{1}{2}$	2.50
09031	$\frac{3}{8}$	$1\frac{1}{4}$	1.80	09048	$\frac{1}{2}$	$1\frac{3}{4}$	2.70
09032	$\frac{3}{8}$	$1\frac{1}{2}$	1.80	09049	$\frac{1}{2}$	2	2.90
09033	$\frac{3}{8}$	$1\frac{3}{4}$	2.00	09050	$\frac{1}{2}$	$2\frac{1}{4}$	3.25
09034	$\frac{3}{8}$	$1\frac{7}{8}$	2.20	09051	$\frac{5}{8}$	$1\frac{7}{8}$	3.00
09035	$\frac{3}{8}$	2	2.35	09052	$\frac{5}{8}$	2	3.25
09036	$\frac{3}{8}$	$2\frac{1}{8}$	2.50	.....	..	...	....

COPPER BRUSHES

6 Inches Long

044477	$\frac{3}{16}$	$\frac{1}{2}$	.40	044495	$\frac{1}{4}$	$\frac{3}{4}$	.58
044478	$\frac{3}{16}$	$\frac{3}{4}$	.50	044496	$\frac{1}{4}$	$\frac{7}{8}$	.64
044479	$\frac{3}{16}$	1	.60	044497	$\frac{1}{4}$	1	.66
044480	$\frac{1}{4}$	$\frac{1}{2}$	.52	.....	..	...	....

8 Inches Long

044481	$\frac{1}{4}$	$1\frac{1}{4}$	.76	044498	$\frac{7}{16}$	$1\frac{1}{4}$	1.23
044482	$\frac{1}{4}$	$1\frac{1}{2}$	.88	044499	$\frac{7}{16}$	$1\frac{1}{2}$	1.44
044483	$\frac{5}{16}$	1	.75	044500	$\frac{7}{16}$	$1\frac{3}{4}$	1.80
044484	$\frac{5}{16}$	$1\frac{1}{4}$	.90	044501	$\frac{7}{16}$	$1\frac{7}{8}$	1.94
044485	$\frac{5}{16}$	$1\frac{1}{2}$	1.08	044502	$\frac{7}{16}$	2	2.07
044486	$\frac{5}{16}$	$1\frac{3}{4}$	1.30	044503	$\frac{1}{2}$	$1\frac{1}{8}$	1.44
044487	$\frac{5}{16}$	$1\frac{7}{8}$	1.38	044504	$\frac{1}{2}$	$1\frac{5}{16}$	1.67
044488	$\frac{3}{8}$	1	.88	044505	$\frac{1}{2}$	$1\frac{1}{2}$	1.80
044489	$\frac{3}{8}$	$1\frac{1}{4}$	1.08	044506	$\frac{1}{2}$	$1\frac{3}{4}$	2.07
044490	$\frac{3}{8}$	$1\frac{1}{2}$	1.32	044507	$\frac{1}{2}$	2	2.35
044491	$\frac{3}{8}$	$1\frac{3}{4}$	1.56	044508	$\frac{1}{2}$	$2\frac{1}{4}$	2.75
044492	$\frac{3}{8}$	$1\frac{7}{8}$	1.65	044509	$\frac{5}{8}$	$1\frac{7}{8}$	2.76
044493	$\frac{3}{8}$	2	1.78	044510	$\frac{5}{8}$	2	2.96
044494	$\frac{3}{8}$	$2\frac{1}{8}$	1.98	.....	..	...	....

TEMPERED BRUSH COPPER

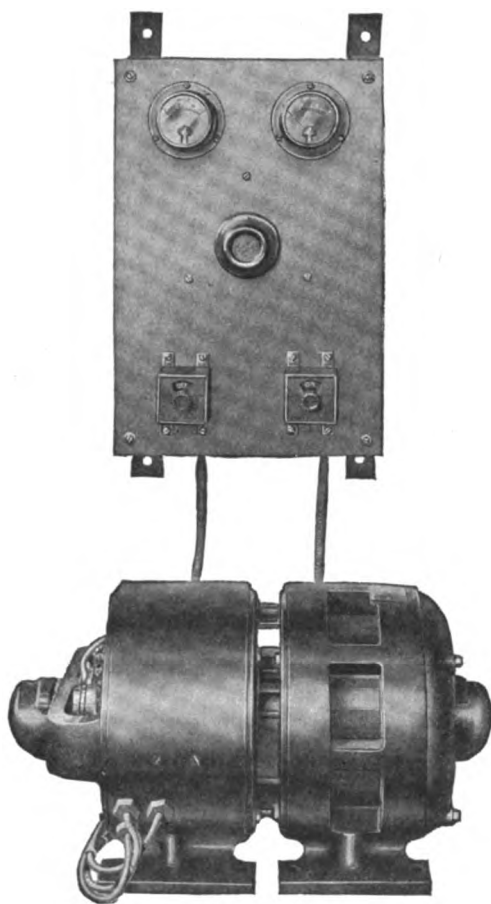
Trade No.	No. B. & S. Gauge	Price per Lb.	Trade No.	No. B. & S. Gauge	Price per Lb.
044511	20	\$0.66	044520	29	\$0.80
044512	21	.67	044521	30	.82
044513	22	.68	044522	31	.85
044514	23	.69	044523	32	.88
044515	24	.70	044524	33	.91
044516	25	.72	044525	34	.94
044517	26	.74	044526	35	.97
044518	27	.76	044527	36	1.00
044519	28	.78	.....	..	....

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Automobile Supplies

WE issue each year a complete catalogue of supplies of all kinds for Automobiles, Motor Boats, Motorcycles, Gas and Gasoline Engines. A copy will be sent on request to those who are regularly engaged in this line of business.

EACO MOTOR GENERATOR SETS



Eaco Motor Generator Sets consist of a direct connected motor and generator. The rotating parts of both machines are mounted on the same shaft with bearing only at the ends of the set. This arrangement gives the highest degree of compactness and efficiency.

The motors used in the Eaco Motor Generator Sets are of the standard split phase self-starting type for alternating current service or a standard shunt wound type for direct current circuits.

The generators are also a standard type, but modified to meet the special requirements of battery charging. The commutator and brushes are unusually large to facilitate generation at low voltages and high current. The commutator is slotted. This is essential for successful low voltage generation. Eaco generators are shunt wound. This gives the batteries the proper taper charge recommended by manufacturers and at the same time makes reversal of polarity impossible.

EACO SWITCHBOARDS

The Eaco standard switchboard consists of a slate panel 12x18x1 inch thick, black marine finish, mounted on strap iron wall brackets designed to hold the panel 6 inches from the wall. This board is equipped with Roller-Smith ammeter and voltmeter of proper range for the generator and a field rheostat mounted on rear of board with control handle projecting through board, and indicating snap switches which control the motor and generator.

The set is protected by means of a standard porcelain fused plug cutout on the back of the board. The switchboard centralizes the control of this apparatus at one point while the instruments show the charging current and the voltage of the set at all times.

These boards are wired and all ready to connect to Eaco Motor Generator Sets. Shipping weight, 100 lbs. All terminals are

marked and complete installing and operating instructions accompany each set.

GENERAL SPECIFICATIONS AND CONSTRUCTION DATA

TERMINALS.—The 80-watt set is furnished with 10 feet of duplex cord and detachable plug on the motor side and with 10 feet of heavy duplex cable with universal lead covered test clips on the generator side. These leads are substantially anchored to the frame of the machine. The 150 and 300-watt sets have the leads brought out of the frame through bushed holes. The ends of these leads are fitted with brass connectors. Each lead is marked, which facilitates connection to the switchboard.

LUBRICATION.—Wick oiler lubrication is used on the 80 and 150-watt outfits and ring oiler lubrication on the 300 and 500-watt sizes.

MOUNTING.—The 80 and 150-watt Eaco Motor Generator Sets are mounted on substantial bases. The 300 and 500-watt sets have substantial iron feet cast into the frame of each machine. All sizes are connected by a heavy cast ring which bolts into both motor and generator and holds them in line.

RHEOSTAT.—The rheostat furnished with Eaco Generator Sets is designed to reduce the terminal voltage of the generator so that any number of batteries from one up to the capacity of the machine can be charged at one time.

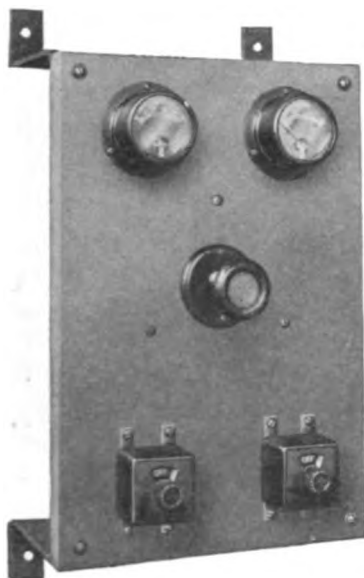
BATTERY CAPACITY OF EACO MOTOR GENERATOR SETS

Watts Output	Volts	Max. Amp. Charging Rate	Max. No. 6-v. Batteries	Max. No. 12-v. Batteries
80	8	10	1	..
150	15	10	2	1
150	30	5	4	2
300	30	10	4	2
500	30	16½	5	2
500	60	8	10	4

Series multiple connection.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EACO MOTOR GENERATOR SETS



In charging storage batteries it is essential that the operator may at any time see what the charging rate is by simply glancing at the ammeter. Furthermore the operator should be in a position to determine quickly whether the generator is operating correctly. In order that these two conditions may be thoroughly covered, we have provided our switchboard with an ammeter and a voltmeter.

We also wish to call particular attention to the fact that indicating switches are supplied, which will show at once whether the motor or generator switch is closed or open. This will be of great assistance at such times as trouble may occur because of an open circuit or a circuit of high resistance in the battery or battery terminals.

The rheostats are selected to give a very wide range in generator voltage supply, enabling the operator to charge from one to full capacity on the smaller sets, viz.: 80, 150 and 300-watt and over 50 per cent control on the 500-watt set. We would strongly urge the use of this panel board with all Eaco Charging Sets of 150-watt capacity or greater.

MOTOR GENERATOR SETS, LESS SWITCHBOARDS

A. C.—D. C. Sets for Operation on 60-cycle Single-phase Alternating Current

Trade No.	GENERATOR			MOTOR			Approx. Ship. Wt., Lbs.	Price, Complete Less Switchboard
	Watts Output	Max. Continuous Volts	Amp. Output	Volts	Speed	Frame No.		
133301	80	8	10	110	1750	18105	85	\$92.00
133302	80	8	10	220	1750	18105	85	94.00
133303	150	30	5	110	1750	19106	120	120.00
133304	150	30	5	220	1750	19106	120	122.00
133305	150	15	10	110	1750	19106	120	120.00
133306	150	15	10	220	1750	19106	120	122.00
133307	250	30	10	110	1750	20131	280	196.00
133308	250	30	10	220	1750	20131	280	198.00

D. C.—D. C. Sets

133309	80	8	10	115	.....	105105	7872	90	90.00
133310	80	8	10	230	.....	105105	7873	90	92.00
133311	150	30	5	115	.....	106106	7874	130	106.00
133312	150	30	5	230	.....	106106	7875	130	108.00
133313	150	15	10	115	.....	106106	7876	130	106.00
133314	150	15	10	230	.....	106106	7877	130	108.00
133315	250	30	10	115	.....	131131	7878	220	160.00
133316	250	30	10	230	.....	131131	7879	220	162.00

For Use on 60-cycle Single-phase Circuits

133317	500	30	16.5	110-220	Wagner 131A	8113	300	317.00
133318	500	60	8	110-220	Wagner 131A	8114	300	317.00
133319	500	90	5.5	110-220	Wagner 131A	8115	300	317.00

For Use on 60-cycle Two or Three-phase Circuits

133320	500	30	16.5	110-220	Wagner 131B	8129	280	198.00
133321	500	60	8	440-550	Wagner 131B	8130	280	198.00
133322	500	90	5.5	440-550	Wagner 131B	8131	280	198.00

Where Eaco Motor Generator Sets of 150, 300 and 500-watt size are ordered complete with switchboard, deduct \$6.00 from motor generator list, as the switchboard price includes a rheostat.

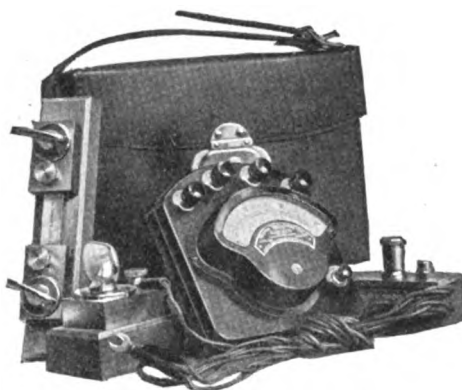
SWITCHBOARDS COMPLETE

Trade No.		Approx. Shipping Wt., Lbs.	Price Each
133870	For control of 80, 150 and 300-watt sets.....	50	\$50.00
135701	For control of 500-watt sets.....	75	60.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WESTON GARAGE TESTING INSTRUMENTS

MODEL 280



The Weston Model 280 Garage Testing Instrument has six ranges as follows: 30 volts, 3 volts and .1 volt (100 millivolts), 300 amperes, 30 amperes and 3 amperes.

The variety of tests that can be made with this combination of ranges is enormous. In reality the instrument is the equivalent of six separate electrical measuring instruments of different ranges and it provides a means of making any tests that are necessary on electric starting and lighting systems.

Ordinarily, six instruments of this size would cost in the neighborhood of \$80.00, so that the remarkably low price named on this Model 280 garage testing instrument will be readily appreciated, and especially will its low cost be realized when it is borne in mind that Model 280 is an instrument of the highest grade procurable in its size. It is a standard Weston product, fully guaranteed by the maker and it may be depended upon for accuracy, serviceability and durability that has never been acquired except by other Weston models, and then only in instruments of much higher price. In short, it is a thoroughly reliable instrument of precision, offered in a convenient size and at a price that enables a garage proprietor to obtain a full and permanent electrical testing equipment at an insignificant cost.

A small booklet which describes the Model 280 thoroughly will be sent upon request.

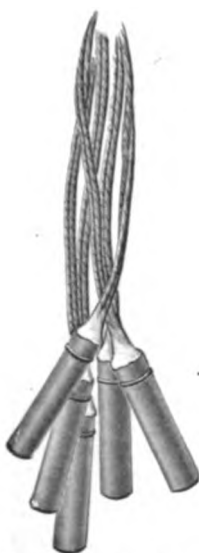
Trade No.	Description	Price Each
109586	Complete as above, without leather carrying case.....	\$22.50
109587	Complete as above, with leather carrying case to contain instrument and shunts.....	25.25

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ELECTRIC BLASTING APPARATUS



Blasting Machine



Electric Detonators

LION BLASTING MACHINES

No. 1 is generally used for shooting wells, prospecting, and any blasting where but a few charges are to be fired simultaneously.

No. 3 is used by quarrymen and railroad contractors.

No. 4 is the best size for contractors' use and ordinary work.

No. 5 is used for heavy work, is as powerful as can be made and easily operated by one man.

To set off blast, connect the wires leading from the blast, one to each of the binding posts, lift the rack bar to its full height and shove down with full force. The strength of the current depends on the speed with which the handle is pushed down. The explosion will take place when the bar strikes the bottom of the box.

Trade No.	Mfrs. No.	Capacity No. of Holes	Wt. Lbs.	Height Inches	Price Each
029501	1	8 to 10	18½	11	\$12.50
029502	3	20 to 25	22½	13½	17.50
029503	4	30 to 50	45½	18	37.50
029504	5	50 to 100	66½	20½	65.00

LION ELECTRIC DETONATORS

The Lion Electric Detonator is a device for firing dynamite blasts and consists of a special blasting detonator containing the usual charge of fulminate of mercury, to which is attached wire for carrying the electric current required to fire the fuse wire. Modifications of this detonator are made for firing blasting powder and other explosives.

Lion Detonators are made in No. 6 and No. 7 grades, also in No. 8 (special), all grades being in lengths from 4 to 30 feet. The No. 6 detonator is the lowest strength to be used with permissible explosives. The No. 7 detonator is for use with permissible explosives and with ordinary dynamite in cold weather. The No. 8 detonator is made to order for use with permissible explosives requiring the strongest detonators, and for ordinary dynamite in submarine work. We recommend the use of a No. 6 detonator or stronger for ordinary work. Electrical detonators can be shipped by freight only.

Copper Wire—Regular

No. 6			No. 8	
Length of Wire, Feet	Trade No.	Price per 100	Trade No.	Price per 100
4	36437	\$5.50	98131	\$7.50
6	36438	6.25	98132	8.25
8	36439	7.00	98133	9.00
10	36440	7.75	98134	9.75
12	36441	8.50	98135	10.50
16	36443	10.00	98137	12.00
20	36445	11.50	98139	13.50

For longer lengths add 85 cents per 100 for each 2 feet of wire.

LEADING WIRE AND CABLE

Trade No.	Description	Feet in Coil	Price per Coil
029519	Leading wire	500	....
029520	Blasting cable	250	....

LEADING WIRE REELS

Trade No.	Description	Price, Each
029521	Hold 1000 feet of wire	\$4.00

BLASTING MACHINE TESTERS

029522	Testers	5.00
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CONNECTING WIRE

Trade No.	Description	Price, per Lb.
029523	2-pound spools

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

YANKEE TELEPHONES

These telephones are especially designed for all short distance two-station service such as for communication between house and garage, two neighbors, upstairs and downstairs, front and rear of a store, sales counter and stockroom.

With two dry cells the Yankee Telephone will ring through 7 ohms resistance or about the equivalent of the following circuits: 1100 feet of No. 18 B. & S. gauge copper wire; 1700 feet of No. 16; 2800 feet of No. 14.

A circuit is twice the distance one way. Two wires are required between the two stations and two dry cells at each telephone.

The Yankee Telephones talk perfectly and will continue to give efficient service. All the materials used in their construction are of excellent quality.



Wall Set

WALL SETS

The box of this set is made of $\frac{3}{4}$ -inch steel finished in dull black enamel. Dimensions of the box are $6\frac{1}{8}$ inches high, $4\frac{1}{8}$ inches wide, and $1\frac{1}{8}$ inches deep.

The works are mounted in unit form on a steel frame supported in the box by machine screws. The transmitter has a self-contained cell or carbon chamber. The ringer is of the permanent adjustment type with two gongs and a clapper guard.

The hook switch is self-contained with wiping sterling silver contacts; the push button springs also have wiping sterling silver contacts. The receiver has concealed cord terminals. Line terminals are arranged on the inside of the box properly labeled and convenient for line connections.

Trade No.	Description	Price
114601	Single telephone, as described.....	\$ 5.00
114602	Pair of telephones.....	10.00

HAND SETS

These sets are convenient for either wall, desk or table use. As a wall set the hand phone hangs on the hook provided with the box containing the buzzer and line terminals.

As a desk or table set, the hand phone can be laid with the transmitter and the receiver face downwards on a desk or table without danger of marring the furniture, and the terminal box fastened conveniently near.

4-foot cord connects the hand phone with the terminal box. The call button and talking key are located in the handle of the hand phone so that a person can conveniently use this instrument in either a standing, sitting or reclining position.

The transmitter has a self-contained cell or carbon chamber and a metal diaphragm enclosed in a metal casing as a safeguard against tampering. The switch and call button mechanism is unique, simple and reliable, and is mounted in unit form on a special mounting frame carried in the handle. Two screws unite the two-piece handle, and are the only screws exposed to view.

The finish of the hand phone is black and nickel. The terminal box is finished black.

114603	Single telephone, as described.....	8.50
114604	Pair of telephones.....	17.00

NOTE.—Yankee Telephones can be used in pairs as follows: A wall set at each end of the line; a hand set at each end of the line; or a wall set at one end and a hand set at the other.

Complete wiring instructions are furnished with each instrument.



Hand Set

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COUCH SUBSTATION TELEPHONES



No. 161



No. 661



No. 221



No. 251

The telephones listed on this page are supplied for the different classes of service covered by the following Couch systems.

SYSTEM B-1A.—Three or more party. Code ringing, common talking. Three-wire circuit. Central battery.

SYSTEM B-3A.—One main station (use Couch Multifone) any number of substations. Common talking.

SYSTEM B-33A.—Same as System B-3A, with addition of an annunciator at main station to indicate calls.

SYSTEM B-47.—One telephone annunciator, any number of substations. Private talking.

Specify service requirements or system when ordering.

No. 161 WOOD BOX WALL SET

Equipped with long type receiver and 2-inch bell gongs. Rings somewhat louder than ordinarily required in quiet places.

Trade No.	Mfrs. No.	Description	Price Each
28825	161	Dark oak finish with nickel trimmings	\$9.00

No. 221 METAL BOX WALL SET

The box forms no part of the electrical circuit of the instrument.

28826	221	Dull black enamel finish, nickel trimmings.	6.50
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No other finish will be supplied.

No. 661 DESK SET

Desk or table set with call button in base of stand. Equipped with 5-foot green flexible cord attached to a terminal strip having provision for line, battery and buzzer connections. Finish is nickel, excepting a portion of the upright which consists of a steel tube with a rubber sleeve.

28824	661	Complete, as described, with buzzer	14.00
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No. 251 FLUSH SET

Usually selected for use in residences. Supplied with or without outlet box, the latter being necessary only in case house wiring is installed in conduits. Finished in old brass.

Trade No.	Mfrs. No.	Description	WALL OPENING, IN.		Price Each
			Width	Height	
28827	251	Without outlet box..	3 $\frac{3}{8}$	5 $\frac{5}{8}$	\$7.50
28828	251R	With outlet box.....	3 $\frac{5}{8}$	5 $\frac{5}{8}$	8.50

SPECIAL FINISHES

Finishes other than those listed above carry an extra charge according to cost.

NOTE—State service requirements when ordering so that instruments may be wired accordingly.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COUCH MULTIPHONES

The telephones listed on this page are designed for System B-2A all stations to call each other, also for master station System B-3A to call sub-stations.



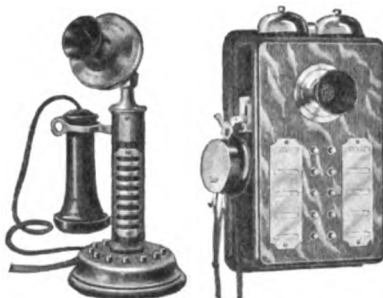
No. 324



No. 65



No. 667



No. 660

No. 64



No. 124



No. 1060A

No. 324

Metal box hand set. Finished black with nickel trimmings.

Trade No.	Mfrs. No.	No. of Buttons	Wiring System	Price Each
135617	3247	4	B-2A	\$16.60
135618	3248	4	B-3A	16.60

No. 65

Metal flush set. Brush brass finish.

135619	6517	4	B-2A	14.40
135620	6518	4	B-3A	14.40
135621	6527	8	B-2A	16.80
135622	6528	8	B-3A	16.80
135623	6547	12	B-2A	19.20
135624	6548	12	B-3A	19.20

Outlet box for all sizes..... 1.50

Hand phone in place of regular transmitter and receiver, \$6.00.

No. 667

Desk set finished black with nickel trimmings and oak Pushrite Call Board.

135625	66707	4	B-2A	16.10
135626	66708	4	B-3A	16.10
135627	66717	8	B-2A	17.50
135628	66718	8	B-3A	17.50
135629	66727	12	B-2A	19.00
135630	66728	12	B-3A	19.00
135631	66738	16	B-3A	20.50
135632	66748	20	B-3A	22.00

Flush Pushrite Call Board extra, all sizes..... 1.50

No. 660

135633	66037	4	B-2A	21.60
135634	66038	4	B-3A	21.60
135635	66047	8	B-2A	25.40
135636	66048	8	B-3A	25.40
135637	66057	12	B-2A	29.30
135638	66058	12	B-3A	29.30

Flush terminal box in place of regular oak... 4.00

No. 64

Wood box wall set, oak finish.

135639	6427	8	B-2A	12.80
135640	6428	8	B-3A	12.80
135641	6447	12	B-2A	14.30
135642	6448	12	B-3A	14.30
135643	6458	16	B-3A	15.80
135644	6469	20	B-3A	17.30

Fitted with long receiver, extra..... 1.50

No. 124

Metal box wall set. Black finish with nickel trimmings.

135645	1247	4	B-2A	8.50
135646	1248	4	B-3A	8.50

No. 1060A CHOKE COILS

Trade No.	Mfrs. No.	Price Each
063994	1060A	\$1.00

Used in series with talking battery and necessary in all Multiphone systems.

NOTE.—Printing of names not included in above prices. An extra charge is made for special finishes.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COUCH FULL AUTOMATIC TELEPHONES

ELECTRICAL RELEASE

In all other types of Couch Full Automatics the intercommunicating switch is incorporated integrally with the telephone and so arranged that any off normal button on the switch is mechanically released upon hanging up the receiver.

To secure the advantages of the automatic releasing feature in sets having detached switches as in Nos. 82 and 83 we equip the intercommunicating switch with a simple electro magnet (see Fig. M) associated with the switch in such a manner as to operate the detent plate and release an off normal button by the momentary closing of the electrical circuit through this magnet when the receiver is restored to the hook on the desk telephone.

The regular ringing battery of the intercommunicating system supplies the current for operating the magnet and no extra wiring whatever is involved.

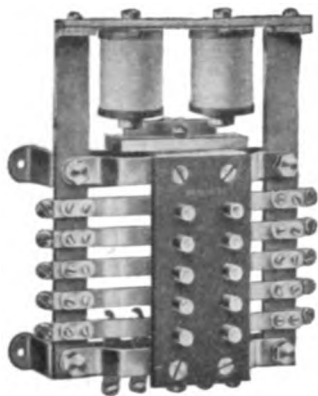
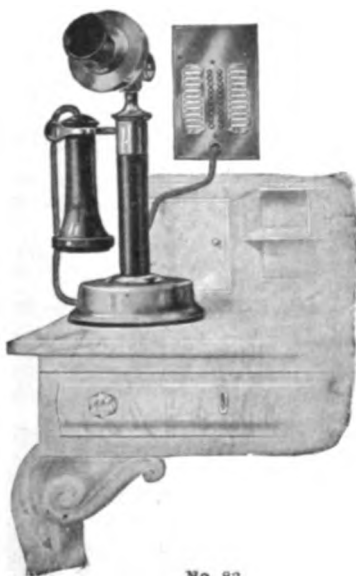


Fig. M



No. 82



No. 83

No. 82

Consists of portable desk telephone connected by 5-foot cord to full automatic desk switch equipped with electrical release.

This type can be used in connection with any type of Couch Full Automatic Desk or Wall Sets.

Equipped with Common Return Switches

Trade No.	Mfrs. No.	No. Buttons	Price Each
065969	820	10	\$27.00
065970	821	16	30.60
065971	822	20	33.00
065972	823	26	36.60
065973	824	30	39.00

Equipped with Full Metallic Switches

065974	825	10	29.50
065975	826	16	34.60
065976	827	20	38.00
065977	828	26	43.10
065978	829	30	46.50

Finish is telephone nickel. Switch box is dark oak with nickel trimmings.

No. 83

This set is designed especially for residence systems. It consists of a portable telephone connected by 5-foot cord to a full automatic flush wall switch equipped with electrical release.

The front plate of the switch is brass and can be finished together with the metal work of the telephone to match any finish. Prices are based on nickel finish.

Equipped with Common Return Switches

065979	830	10	30.00
065980	831	16	33.60
065981	832	20	36.00
065982	833	26	39.60
065983	834	30	41.00

Equipped with Full Metallic Switches

065984	835	10	32.50
065985	836	16	37.60
065986	837	20	41.00
065987	838	26	46.10
065988	839	30	48.50

COUCH AUTOPHONE SYSTEM



No. 99



No. 990

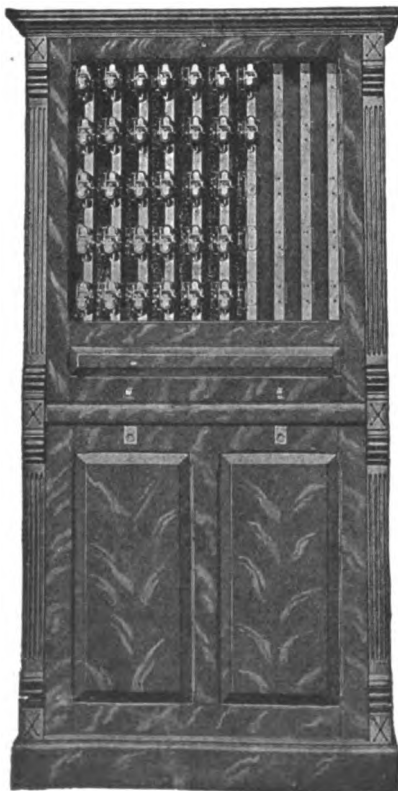


No. 991

The Autophone system is an automatic telephone exchange designed especially for private installations. The system is furnished for 15, 30, 50 or 100 telephone lines.

If desired any or all of the lines in a system can be made party lines with two to five stations on a line.

Lines are interconnected through the Autophone Switchboard by means of automatic operators, called selectors, which take the place of the human operator required by a manual switchboard.



Switchboard

There is a selector for each line and each selector works independently of other selectors, consequently each line receives immediate service.

In addition to speedy service, the Autophone system provides:

Secret service, precluding interruption of completed connections.

Group service, enabling several stations to talk together.

General call or code signalling service, by which business heads can be instantly called and talked with from any part of the premises. This service can also be used by night watchmen.

Because the Autophone Switchboard is automatic it keeps the telephone service constantly alive.

The Autophone system can be installed by any electrical contractor or plant electrician.

Only three wires are required for each substation line or circuit.

One main battery of 12 small storage cells will supply the necessary current for an entire installation.

Switchboards

Trade No.	Style	Selector Capacity	Selectors Installed	Price Each	Add'l Selectors Each
62492	E	15	10	\$130.00	\$8.00
62493	F	30	10	155.00	8.00
62494	G	50	10	210.00	8.25
62495	I	100	10	305.00	9.00
62496	General call unit in any switchboard				5.00
62497	Trunking unit for connecting to public exchange				10.00

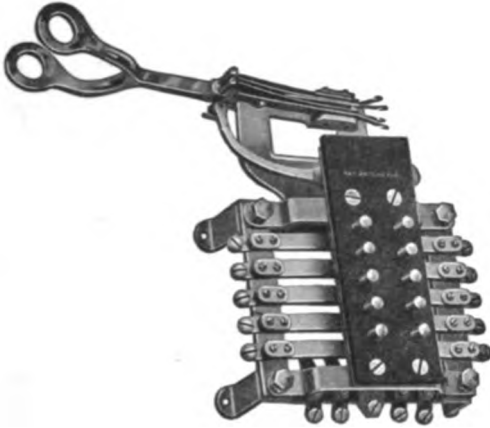
Telephones

Trade No.	Mfrs. No.	No. of Points in Dial	Price Each
62498	99	33, 52 or 103	\$17.50
62499	990	33, 52 or 103	17.50
62500	991	33, 52 or 103	17.50

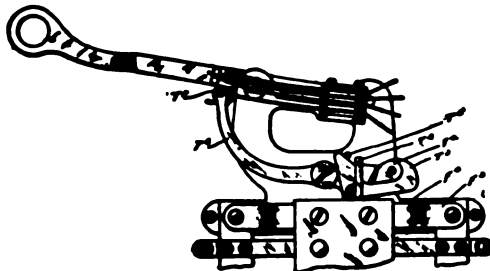
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COUCH AUTOMATIC PUSH-BUTTON SWITCHES

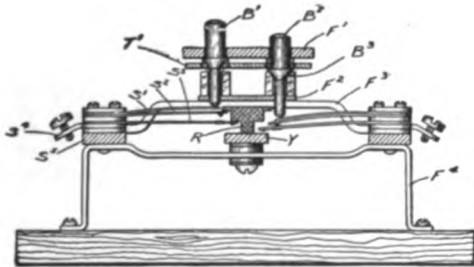
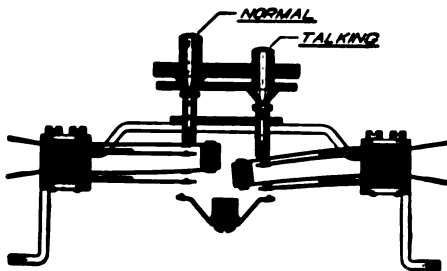
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 85



Details of No. 85

Operation Diagram
No. 85 SwitchOperation Diagram
No. 850 Full Metallic Switch

No. 85 SWITCHES

Designed for common return system B12, or twisted pair system B15.

Made in 10, 16, 20, 26 and 30 buttons or larger, as desired.

Details of No. 85

F1—Front button plate, brass, oxidized black finish.
F2—Back button plate, brass.
F3—Upper bridge, brass.
F4—Lower bridge, brass.

S1—Button spring, German silver.
S2—Common spring, German silver with sterling silver contacts.
S3—Line spring, German silver with sterling silver contacts.
S4—Heavy screw connector, brass.
S5—Spring bar, brass.
Y—Ring bar, brass.

R—Rubber strip. (This strip absolutely prevents springs coming in contact except in operation.)

B1—Button normal.
B2—Button locked in talking position by locking plate T1 falling behind button cone B3, making contact between S2, S3. A slight additional push connects line spring S3 to ringing bar Y, ringing the bell on that line.

T2—Locking plate arm, which is engaged by steel tripper T3 through lever T6 when the hook is moving down, thus raising locking plate T1 and releasing button B2 to position at rest B1.

T7—Roller bearing. (No friction.)

To lock buttons with hook down, remove receiver, raising locking plate arm T2 and revolve tripper lug T4 on its pivot from left to right. The operation of the tripper is then as follows: When the hook is moving down, pin T5 moves tripper T3 slightly to the left at the same time as lever T6 is raising it, and after the button is released locking arm T2 falls back in recess vacated by lug T4 and allows locking plate T1 to rest on the shanks of the buttons in position to lock any button pushed in.

No. 850 FULL METALLIC SWITCHES

In general construction this is the same as No. 85. The difference is in the arrangement of the push key springs and this difference will be readily understood by a study of the two operation diagrams shown.

No. 850 is intended for full metallic system B22. Standard sizes 10, 16, 20, 26 and 30 buttons.

COUCH INTERCOMMUNIPHONES



No. 37

No. 37 PORTABLE

Trade No.	Mfrs. No.	No. of Buttons	Price Each
065949	371	10	\$27.00
065950	372	16	31.80
065951	373	20	35.00
065952	374	26	39.80

Flush terminal boxes for residence service in place of regular, extra \$5.00.

Longer cords, extra per foot, per button, \$0.04.

This set is not made for System B-22 and cannot be equipped with a full metallic switch.

Price of No. 37 includes dark oak terminal box equipped with a buzzer and all line connectors, with 6 feet clear of flexible cable connecting terminal box to desk stand.



No. 39

No. 39 WALL SETS, DARK OAK

Equipped with Common Return Switches

065915	391	10	15.20
065916	392	16	18.60
065917	393	20	20.80
065918	394	26	24.20
065919	395	30	26.40

Equipped with Full Metallic Switches

065920	3910	10	17.70
065921	3920	16	22.60
065922	3930	20	25.80
065923	3940	26	30.70
065924	3950	30	33.90

No. 41 HANDMICRO WALL SETS

Equipped with Common Return Switches and Buzzers

065925	411	10	21.00
065926	412	16	24.40
065927	413	20	26.60
065928	414	26	30.00
065929	415	30	32.20

Equipped with Full Metallic Switches and Buzzers

065930	4110	10	23.50
065931	4120	16	28.80
065932	4130	20	31.60
065933	4140	26	36.50
065934	4150	30	39.70



No. 41



No. 45

No. 45 WOOD FLUSH SETS

Equipped with Common Return Switches

Trade No.	Mfrs. No.	Description	Price Each
065935	45	10 buttons or less with outlet box....	\$21.00
		Additional buttons in sets of two, per set.....	2.00

Equipped with Full Metallic Switches

065937	450	10 buttons or less with outlet box....	25.00
		Additional buttons in sets of two, per set.....	2.50

This style is also supplied with metal front at same prices for ordinary finishes, such as nickel or brass.

This line of apparatus is full automatic. In hanging up the receiver any button on the switch is automatically released to normal, and it is not required to press in a "home" button before any call can be answered, as in semi-automatic types. A separate ringing button is not used in the switches.

Wiring Systems

B-12 Common return. Takes common return switch.

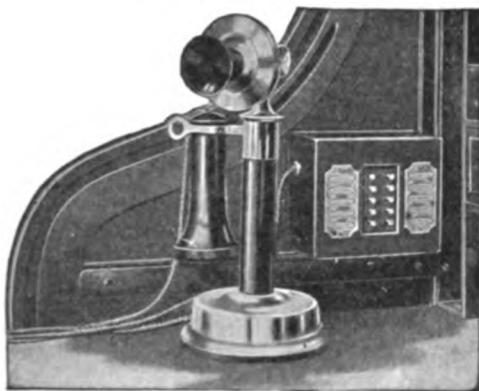
B-22 Twisted pair. Takes full metallic switch.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

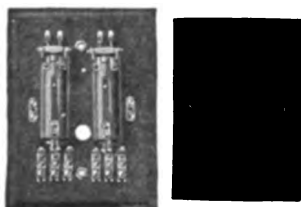
COUCH SEMI-AUTOMATIC TELEPHONES



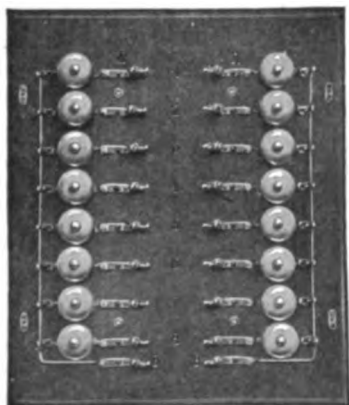
No. 39390



No. 6660



No. 881



No. 691

No. 3939 WALL SETS

Trade No.	Mfrs. No.	No. Buttons	Price Each
066865	39390	10	\$16.00
066866	39391	16	20.00
066867	39392	20	23.00

No. 6666 DESK SETS

No. 6666 standard desk outfit supplied for either substation or main station service. Direct outgoing trunk calls can be made from all stations equipped with trunk buttons, and this applies also to No. 3939. Incoming trunk calls are handled by an attendant at the main station, which is provided with a holding button for each incoming trunk for controlling the supervisory signal at the public exchange switchboard while establishing a direct connection between any desired substation and the exchange party. The operation is very simply and quickly performed.

Substation			
066868	6660	10	20.00
066869	6661	16	24.00
066870	6662	20	27.00
Main Station			
066871	6665	12	21.00
066872	6666	18	25.00
066873	6667	22	28.00

No. 68

At the main station a holding relay equipment is necessary. This may be mounted at any convenient point near the telephone switch box.

Trade No.	Mfrs. No.		Price Each
066874	681	For one trunk line.....	\$4.50
066875	682	For two trunk lines.....	8.00

No. 69

At the battery closet a choke coil equipment is required through which battery is supplied for talking purposes on the local intercommunicating service. The public exchange battery supplies the current for trunk service and operating the holding relays.

These telephones require an answering button which it is necessary to press when responding to a call. They are designed for 1-13-X system which provides intercommunicating service as well as trunking service to independent public exchanges and are equipped with full metallic switches. The push button keys have three positions, normal, talking and ringing. All line connections are made direct to the key springs, there being no intermediate cabling or wiring.

066876	691	8 stations.....	16.00
066877	692	14 stations.....	28.00
066878	693	18 stations.....	36.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COUCH APARTMENT HOUSE TELEPHONES

The entire line of Couch Apartment Telephones is modernized and perfected to the highest degree. Many entirely new features have been embodied in the various units, decreasing the cost of installation and maintenance, and increasing the convenience of the tenant.

SUITE TELEPHONES.—Attention is called to the molded insulating block, which is not affected by dampness or changes of temperature, upon which all of the working parts are mounted by machine screws held tightly in place by spring lock washers. All the parts are piloted or located in place by recesses or pins which assure their exact alignment at all times. All wiring on the instruments has been avoided, there being only two soldered connections.

The hook switch has been provided with protecting ears or guards and the adjustment of the bell movement is fixed. Sterling silver contacts are provided on all springs and contact points. The working parts are insulated from each other and from the front plate or box, eliminating all danger of grounds.

VESTIBULE TELEPHONES.—These instruments are front connected and are complete working units without the front plates. By the use of molded insulating material mounted on metal supports accurate alignment of all parts is assured. A choice of talking sets is offered, among them being the swing arm receiver type, which is so constructed as to eliminate all chance of careless or malicious injury without sacrificing the general appearance of the set.

LETTER BOX UNITS.—These are of unique construction, the design permitting of exceptionally large mail capacity, at the same time reducing the wall space occupied. Made of pressed sheet brass with the doors re-enforced with steel. A liberal overlap has been provided, eliminating the necessity of any frame around the vestibule group.

JANITOR OUTFITS.—These outfits are very comprehensive and well adapted to meet the various requirements dependent upon the service desired from the janitor's station.

TRADESMAN TELEPHONES.—These instruments are of rugged construction, adapted to withstand hard service.

WIRING SYSTEMS

There are six standardized wiring systems for Couch Apartment House Telephones. These six systems cover the practical service needs of most apartment houses. The systems are as follows:

Systems B-30A, B-31A and B-300A each provide a single talking circuit common to all stations in the system.

Systems B-34A and B-35A each provide two or more talking circuits so that a conversation carried on between two stations in one section of a system cannot be interrupted by a conversation between two stations of another section.

System B-7A is a so-called non-interfering system, each suite being connected to an independent talking circuit so that at no suite telephone can the conversation from another suite telephone be overheard.

Following is a brief description of each of the above systems:

SYSTEM B-31A

SERVICE.—This system provides service between vestibules and suites only. Vestibule calls the suites. Door lock operated from button on suite phones.

TELEPHONES.—For the suites, Couch flush set No. 252, box set No. 222 or hand-phone set, No. 322. For the vestibule, Couch combination set consisting of flush phone No. 28 or No. 28W flush call unit No. 23, and flush letter box unit No. 26.

SYSTEM B-30A

SERVICE.—All telephones in the system are connected to one talking circuit. Suites call janitor. Vestibule calls suites and janitor. Janitor calls suites. Trade phone calls suites. Door lock operated from button on suite phones.

TELEPHONES.—For the suites, Couch flush set No. 252, box set No. 222 or hand-phone set No. 322. For the vestibule, Couch combination set comprising flush phone No. 28 or No. 28W, flush call unit No. 23, and flush letter box unit No. 26. For the janitor, Couch box set No. 877. If the janitor is not to call suites, substitute answering set No. 165 and omit connections from battery wire and from all call wires. For the trade, Couch box set No. 875.

SYSTEM B-300A

SERVICE.—All telephones in the system are connected to one talking circuit. When the janitor is called the call is shown at his station on an annunciator, there being a separate drop on this annunciator for each station connecting with it. This feature enables the janitor to note if any calls have been made during his temporary absence, and from which station.

Suites call janitor. Vestibule calls suites and janitor. Trade calls suites. Janitor calls suites. Door lock operated from button on suite phones.

TELEPHONES.—For the suites, Couch flush set No. 252, box set No. 222 or hand-phone set No. 322. For the vestibule, a combination of Couch telephone unit No. 28 or No. 28W, call unit No. 23 and letter box unit No. 26. For the trade, Couch box set No. 875. For the janitor, Couch annunciator No. 84.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COUCH APARTMENT HOUSE TELEPHONES

SYSTEMS B-34A AND B-35A

SERVICE.—These systems are divided into sections with a separate talking circuit for each section so that a conversation taking place between two stations in one section cannot be interrupted by a station of another section, and simultaneous service on the various sections is possible without interference between them.

A central station, usually assigned to the janitor's quarters, is arranged to receive calls from all stations in the entire system, excepting usually the rear entrance or trade stations.

Calls for the janitor show at his station on an annunciator. In System B-34A, calls from all stations in a particular section indicate on the same drop. In system B-35A, there is a separate drop for each station. Means are provided whereby the janitor may call the various suites and connect at will with the talking circuit of any section.

Suites call janitor. Vestibules call respective suites and janitor. Trade, rear entrances, call respective suites. Janitor calls suites. Door locks operated from respective suite phones.

NOTE.—The advantage of having a separate visual signal for each station on the janitor's indicator, as furnished in System B-35A, is that the location of any station calling the janitor during his absence can be easily determined.

Telephones for System B-34A

TELEPHONES.—For the suites, Couch flush set No. 252, box set No. 222 or hand-phone set No. 322. For the vestibules, Couch flush telephone unit No. 28 or No. 28W, flush call unit No. 23, and flush letter box unit No. 26. For the trade, Couch box set No. 875, or, if preferred, Couch flush telephone unit No. 28. For the janitor, Couch indicator set No. 91.

NOTE.—If janitor is not to call suites, substitute answering set No. 89 and omit connection to call wires. The service may be enlarged to include an office station similar to janitor's station, and to provide service in the laundries, maids' rooms, or other places. Detailed information upon request.

Telephones for System B-35A

TELEPHONES.—For the suites, Couch flush set No. 252, box set No. 222, or hand-phone set No. 322. For the vestibules, Couch flush telephone unit No. 28 or No. 28W, flush call unit No. 23, and flush letter box unit No. 26. For the trade Couch box set No. 875, or, if preferred, Couch flush telephone unit No. 28. For the janitor, Couch indicator set No. 92.

NOTE.—The service may be enlarged to include an office station similar to janitor's station, and to provide service in the laundries, maids' rooms, or other places. Detailed information upon request.

SYSTEM B-7A

This system covers all installations of the so-called non-interfering class wherein the various main stations such as vestibule, janitor and tradesman, may communicate with different suites simultaneously without interference with each other. For instance, if there were twelve suites served from one vestibule one of the suites could communicate with the janitor, the vestibule could communicate with another of the suites, a tradesman with still another of the suites, all at the same time without interference between them. Again, if there were two or more vestibules and two or more tradesmen's stations each of these could communicate with any of their associated suites without interruption. If, however, one main station should be connected to a suite and another main station by chance attempt to connect to the same suite, then of course, there would be interruption. Such interruption would rarely occur, but it is unavoidable in any system thus far produced. All calls to the janitor are indicated on an annunciator of the electric resetting type.

Suites call janitor. Vestibule or vestibules call respective suites and janitor. Tradesmen's station or stations call respective suites. Janitor calls all suites. Door locks operated from respective suite phones.

Additional service to include a main office station to call all suites and to be called by all suites can be provided.

Additional service to include any number of laundry stations to be called by respective suites can also be furnished.

TELEPHONES.—For the suites, Couch flush set No. 252, box set No. 222, or hand-phone set No. 322. For the vestibules, Couch flush telephone (non-interfering type) with call buttons on the telephone or with separate call unit according to number of suites to be served. Vestibule telephones are supplied as follows:

15 inches high to nest with three-gang Couch letter box No. 26. Capacity, nine suites and janitor.

18 $\frac{1}{4}$ inches high to nest with four-gang Couch letter box No. 260. Capacity, twelve suites and janitor.

Call units are supplied as follows:

15 inches high to nest with three-gang Couch letter box No. 26. Capacity up to thirty-three suites and janitor.

18 $\frac{1}{4}$ inches high to nest with four-gang Couch letter Box No. 260. Capacity up to forty-four suites and janitor.

For the tradesmen, Couch box set No. 76.

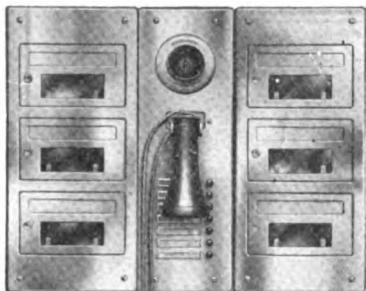
For the janitor, Couch telephone annunciator No. 72.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

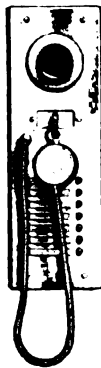
COUCH APARTMENT HOUSE TELEPHONES

VESTIBULE OUTFITS WITH TYPE No. 26 THREE-GANG LETTER BOXES

For Couch Systems B-30A, B-31A, B-34A, B-35A and B-300A Common Talking



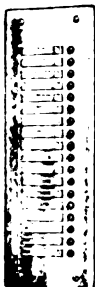
No. 240 Vestibule Outfit using No. 28 Telephone



No. 28W Phone Unit



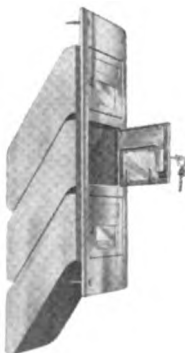
Side View of No. 28 Telephone



No. 23 Call Unit



Interior View of No. 23 Call Unit



Side View of No. 26 Three-gang Letter Box

Trade No.	Group No.	No. of Suites	GROUP CONSISTS OF—			DIMENSIONS, INCHES				Price Each
			Phone Unit No. 28 No. of Buttons	Call Unit No. 23 No. of Buttons	Letter Box Unit No. 26 No. of Gangs	OVER ALL Width	OVER ALL Height	WALL OPENING Width	WALL OPENING Height	
89978	24	3	4	....	1-3	12	15	11	12¼	\$21.80
89979	240	6	7	....	2-3	19	15	18	12¼	33.60
89980	241	9	10	....	3-3	26	15	25	12¼	45.40
89981	242	12	1	1-12	4-3	38	15	37	12¼	60.00
89982	243	15	1	1-15	5-3	45	15	44	12¼	71.80
89983	244	18	1	1-18	6-3	52	15	51	12¼	83.60
89984	245	21	4	1-18	7-3	59	15	58	12¼	95.40
89985	246	24	7	1-18	8-3	66	15	65	12¼	107.20
89986	247	27	10	1-18	9-3	73	15	72	12¼	119.00
89987	248	30	1	2-15	10-3	85	15	84	12¼	133.60
89988	249	33	4	2-15	11-3	92	15	91	12¼	145.40
89989	2490	36	1	2-18	12-3	99	15	98	12¼	157.20
89990	2491	39	4	2-18	13-3	106	15	105	12¼	169.00
89991	2492	42	7	2-18	14-3	113	15	112	12¼	180.80
89992	2493	45	10	2-18	15-3	120	15	119	12¼	192.60

No. 28W phone unit may be substituted for No. 28; dimensions and prices remain the same. The receiver cord of this set is protected by a flexible brass tubing.

No. 23 call unit is used when the number of suites to be served from one outfit exceeds the call button capacity of the telephone itself.

Actual depth of letter box from face of wall, 4½ inches.

A clearance between partitions is needed for a distance of 5 inches below the lower edge of the wall opening.

The distance from center of telephone mouthpiece to top edge of plate is 3 inches.

If No. 28W telephone, watchcase receiver, is wanted, add letter W to number of group.

NOTE.—Standard finish is brush brass. An extra charge will be made for finishes other than brush brass.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COUCH APARTMENT HOUSE TELEPHONES

VESTIBULE OUTFITS WITH TYPE No. 26 THREE-GANG LETTER BOXES

For Couch System B-7A Non-interfering



No. 480 Vestibule Outfit using No. 55 Telephone with Pivoted Flexible Arm Receiver

Trade No.	Group No.	No. of Suites	GROUP CONSISTS OF			DIMENSIONS, INCHES				Price Each
			Phone Unit No. 55 No. of Buttons	Call Unit No. 56 No. of Buttons	Letter Box Unit No. 26 No. of Gangs	OVER ALL Width	OVER ALL Height	WALL OPENING Width	WALL OPENING Height	
114637	48	3	4	.....	1-3	14	15	13	12 $\frac{1}{4}$	\$39.70
114638	480	6	7	.....	2-3	21	15	20	12 $\frac{1}{4}$	51.20
114639	481	9	10	.....	3-3	28	15	27	12 $\frac{1}{4}$	62.70
114640	482	12	.....	1-13	4-3	42	15	41	12 $\frac{1}{4}$	76.10
114641	483	15	.....	1-16	5-3	49	15	48	12 $\frac{1}{4}$	90.40
114642	484	18	.....	1-19	6-3	56	15	55	12 $\frac{1}{4}$	104.70
114643	485	21	.....	1-22	7-3	63	15	62	12 $\frac{1}{4}$	119.00
114644	486	24	.....	1-25	8-3	70	15	69	12 $\frac{1}{4}$	133.30
114645	487	27	.....	1-28	9-3	77	15	76	12 $\frac{1}{4}$	147.60
114646	488	30	.....	1-31	10-3	84	15	83	12 $\frac{1}{4}$	161.90
114647	489	33	.....	1-34	11-3	91	15	90	12 $\frac{1}{4}$	176.20



No. 4897 Vestibule Outfit using No. 28 Telephone with Long Receiver

Trade No.	Group No.	No. of Suites	GROUP CONSISTS OF			DIMENSIONS, INCHES				Price Each
			Phone Unit No. 28 No. of Buttons	Call Unit No. 56 No. of Buttons	Letter Box Unit No. 26 No. of Gangs	OVER ALL Width	OVER ALL Height	WALL OPENING Width	WALL OPENING Height	
114648	4890	12	.....	1-13	4-3	40	15	39	12 $\frac{1}{4}$	\$76.10
114649	4891	15	.....	1-16	5-3	47	15	46	12 $\frac{1}{4}$	90.40
114650	4892	18	.....	1-19	6-3	54	15	53	12 $\frac{1}{4}$	104.70
114651	4893	21	.....	1-22	7-3	61	15	60	12 $\frac{1}{4}$	119.00
114652	4894	24	.....	1-25	8-3	68	15	67	12 $\frac{1}{4}$	133.30
114653	4895	27	.....	1-28	9-3	75	15	74	12 $\frac{1}{4}$	147.60
114654	4896	30	.....	1-31	10-3	82	15	81	12 $\frac{1}{4}$	161.90
114655	4897	33	.....	1-34	11-3	89	15	88	12 $\frac{1}{4}$	176.20

Groupings 4890 to 4897, inclusive, can be supplied with No. 28W telephone which has a watchcase receiver and armored receiver cord. Dimensions and prices remain the same.

If No. 28W telephone is wanted, add the letter W to number of group desired.

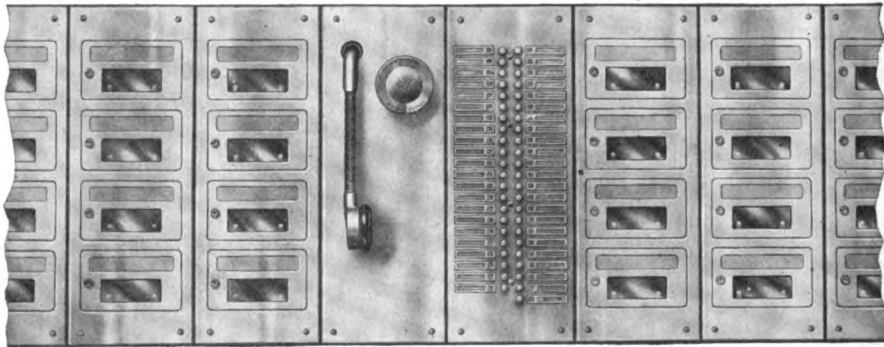
NOTE.—Standard finish is brush brass. An extra charge will be made for finishes other than brush brass.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COUCH APARTMENT HOUSE TELEPHONES

VESTIBULE OUTFITS WITH TYPE No. 260 FOUR-GANG LETTER BOXES

For Couch System B-7A Non-interfering



No. 48998 Vestibule Outfit

The illustration above shows a forty-four suite capacity outfit, using No. 55 type telephone without call buttons and No. 56 type call unit. The telephone is equipped with a pivoted flexible arm receiver of unique and substantial construction. The call unit is of the lock button type, positive-acting and very durable.

Up to and including twelve suites, the call buttons are integral with the telephone. Above twelve suites no buttons are furnished on the telephone and the call unit is supplied.

Groupings 4898 to 48998, inclusive, will be supplied with either No. 55L or No. 55W telephone instead of No. 55, when desired, without change in dimensions or prices.

No. 55L telephone has the standard long receiver.

No. 55W telephone has a watchcase receiver and armored cord.

Trade No.	Group No.	No. of Suites	GROUP CONSISTS OF—			DIMENSIONS, INCHES				Price Each
			Phone Unit No. 55 No. of Buttons	Call Unit No. 560 No. of Buttons	Letter Box Unit No. 260 No. of Gangs	OVER ALL Width	OVER ALL Height	WALL OPENING Width	WALL OPENING Height	
114615	4898	4	5	....	1-4	14	18 $\frac{7}{8}$	13	16 $\frac{1}{8}$	\$43.60
114616	4899	8	9	....	2-4	21	18 $\frac{7}{8}$	20	16 $\frac{1}{8}$	58.90
114617	48990	12	13	....	3-4	28	18 $\frac{7}{8}$	27	16 $\frac{1}{8}$	76.10
114618	48991	16	....	1-17	4-4	42	18 $\frac{7}{8}$	41	16 $\frac{1}{8}$	95.10
114619	48992	20	....	1-21	5-4	49	18 $\frac{7}{8}$	48	16 $\frac{1}{8}$	114.30
114620	48993	24	....	1-25	6-4	56	18 $\frac{7}{8}$	55	16 $\frac{1}{8}$	133.40
114621	48994	28	....	1-29	7-4	63	18 $\frac{7}{8}$	62	16 $\frac{1}{8}$	152.50
114622	48995	32	....	1-33	8-4	70	18 $\frac{7}{8}$	69	16 $\frac{1}{8}$	171.60
114623	48996	36	....	1-37	9-4	77	18 $\frac{7}{8}$	76	16 $\frac{1}{8}$	190.70
114624	48997	40	....	1-41	10-4	84	18 $\frac{7}{8}$	83	16 $\frac{1}{8}$	209.80
114625	48998	44	....	1-45	11-4	91	18 $\frac{7}{8}$	90	16 $\frac{1}{8}$	228.90

If No. 55L telephone is wanted add the letter L to number of group wanted.

If No. 55W telephone is wanted add the letter W to number of group wanted.

NOTE.—Standard finish is brush brass. An extra charge will be made for finishes other than brush brass.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COUCH APARTMENT HOUSE TELEPHONES

SUITE TELEPHONES

No. 222 Box Type

Supplied with either 1, 2 or 3 buttons for Couch Systems B-30A, B-300A, B-31A, B-34A, B-35A and B-7A.

The construction of this telephone is identical with that of the No. 252 described below, except that the works are mounted in a pressed steel box instead of mounted on a plate. The box consists of two parts, the body and the base. The two are united by a screw at each end. The base has a slot in each end and a hole through the center to take care of either exposed or concealed wiring.

Dimensions of box: Length, 6 $\frac{5}{8}$ inches; width, 4 $\frac{1}{8}$ inches; depth, 1 $\frac{1}{2}$ inches.

Finish of box is dull black enamel with nickel trimmings.

Trade No.	Mfrs. No.	Description	Price Each
89698	2219	With 1 button	\$6.60
89699	2229	With 2 buttons	7.00
89700	2239	With 3 buttons	7.50

No. 252 Flush Type

Supplied with 1, 2 or 3 buttons for Couch Systems B-30A, B-300A, B-31A, B-34A, B-35A and B-7A.

Several new features are incorporated in this instrument. In place of a wood mounting block back of the front plate, a heavy molded block is used especially designed for the purpose of carrying the bell movement, switch hook, push buttons, etc. The gong posts form a part of this molded block and thus provide fixed adjustment for the gongs. The block is not affected by dampness in the walls or by temperature changes, thus the component parts of the instrument are held in perfect alignment at all times. All parts are electrically insulated from the front plate. Spring washers are used under all mounting screws.

Dimensions: Wall opening without outlet box, 3 $\frac{3}{8}$ inches wide, 5 $\frac{5}{8}$ inches high. Wall opening with outlet box, 3 $\frac{5}{8}$ inches wide, 5 $\frac{5}{8}$ inches high.

Outlet box is necessary for conduit work only. When supplied without outlet box, the back of the instrument is enclosed by a close-fitting tin box.

Finish, brush brass. Other finishes carry an extra charge.

89692	2519	With 1 button, no outlet box	7.50
89693	2519R	With 1 button, with outlet box	8.50
89694	2529	With 2 buttons, no outlet box	7.80
89695	2529R	With 2 buttons, with outlet box	8.80
89696	2539	With 3 buttons, no outlet box	8.10
89697	2539R	With 3 buttons, with outlet box	9.10

No. 322 Hand-phone Type

Supplied with either 1, 2 or 3 buttons for Couch Systems B-30A, B-300A, B-31A, B-34A, B-35A and B-7A.

This is a neat and substantial hand-phone set consisting of a pressed steel box carrying a magnitor type bell, a molded call block, containing the push button mechanism and a molded line terminal strip all conveniently arranged for ease in connecting line wires and for inspection. A buzzer can be furnished instead of the bell, but we do not consider a buzzer tone sufficiently loud to be heard properly.

The hand phone is rigidly constructed to withstand hard use and will give dependable service.

89701	3219	With 1 button	8.50
89702	3229	With 2 buttons	8.80
89703	3239	With 3 buttons	9.10

TYPE R OUTLET BOXES

Made of cast iron and takes Couch No. 252 Flush Telephone. Recommended if wiring is to be installed in conduit, otherwise the box is not needed.

Dimensions over all: Width, 3 $\frac{3}{8}$ inches; height, 5 $\frac{5}{8}$ inches; depth, 3 $\frac{1}{8}$ inches.

Trade No.	Price Each
89704	\$1.00

TYPE W OUTLET FRAMES

This is a stoutly made wooden frame made to fit No. 252 telephone. Recommended for new work where conduit is not used.

89705	20
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



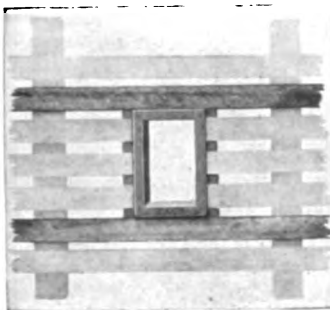
No. 222



No. 252



No. 322



Type W Outlet Frame

COUCH APARTMENT HOUSE TELEPHONES



No. 165

JANITORS' ANSWERING SETS

These sets are designed for use when it is desired that the janitor shall not be able to call any of the stations although arranged to be called by them.

No. 165

For single-section system such as Couch System B-30A.

Trade No.	Mfrs. No.	Description	Price Each
114580	165	For single-section system	\$ 9.00

No. 89

For a system divided into two or more sections, such as Couch System B-34A.

A call from any station to the janitor rings the bell and throws a drop corresponding to the section in which the station making the call is located. The call is answered by inserting the plug into the jack opposite the indicator displayed. Indicators are reset electrically by a push button. Set is equipped with a choke coil for each talking circuit.

114581	892	For two-section system	17.50
114582	893	For three-section system	20.00

Additional sections above three, each, \$2.50.

No. 877

For System B-30A. Can be furnished with any desired number of call buttons. No annunciator drops or telephone jacks are required as all telephone stations in the system are connected to the same talking circuit.

89688	877	5 buttons or less	12.00
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Additional buttons, each, \$0.50.



No. 89

TRADE TELEPHONES

No. 875

Similar to No. 877, but without bells. Designed to be installed at rear entrances or dumb-waiter shafts for the use of tradespeople in communicating with tenants. Can be furnished with any number of call buttons.

For Couch Systems B-30A, B-300A, B-34A and B-35A.

89690	875	5 buttons or less	11.00
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Additional buttons, each, \$0.50.



No. 877

JANITORS' TELEPHONE ANNUNCIATORS

No. 84

For Couch System B-300A, which provides that all calls to the janitor shall be shown on an annunciator.

The advantage of such service is that the janitor may know just what station has called during his absence.

The equipment consists of a hinged cabinet fitted with a bell, a talking set, indicating drops, a reset button for electrically resetting the drops and call buttons with card holders for names of tenants, also a button for operating door lock of vestibule. Wired complete to terminals mounted on the backboard of the case ready for line connections. The talking circuit choke coil is also mounted in the case.

Trade No.	No. of Lines	No. of Drops High	No. of Drops Wide	Price per Line
114583	10	5	2	\$4.00
114584	16	4	4	3.80
114585	20	5	4	3.40
114586	25	5	5	3.00
114587	30	6	5	2.80
114588	36	6	6	2.70
114589	42	7	6	2.60
114590	49	7	7	2.50

Intermediate sizes bear price per line of the nearest size listed.

All the above instruments are finished in dark oak. Other finishes carry an extra charge.

Bulletins and prices on other special types of janitors' telephones will be furnished on application.



No. 84

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COUCH TELEPHONES

RECEIVERS, TRANSMITTERS AND HAND PHONES



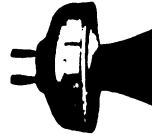
No. 6



No. 4660



No. 465



No. 30



No. 90

RECEIVERS

No. 6

Supplied with 36-inch maroon and black cord with tips both ends.

Trade No.	Mfrs. No.	Description	Price Each
89655	6	Standard, polarized.....	\$1.80
89656	60	Direct current.....	1.70

No. 4660

89657	4660	Direct current, no cord.....	1.30
89658	466	Same style, polarized, no cord.....	1.40

No. 465

89659	465	Head receiver, without cord, polarized...	3.00
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TRANSMITTERS

No. 30

Self-contained button, large casing.

89660	305	As per illustration.....	2.10
89661	306	For flush mounting.....	2.00

No. 90

Self-contained button, small casing.

89662	905	As per illustration.....	1.60
89663	908	For flush mounting.....	1.50

HAND PHONES

We supply two types of hand phones, No. 14 keyless and No. 15 with key in handle. These sets are practically indestructible. The workmanship is excellent and their efficiency unexcelled. Cord 4 feet in the clear.

No. 14 Keyless Type

89664	140	With two-cond. cord D. C. receivers.....	4.80
89665	142	With two-cond. cord, polarized receivers..	4.90
89666	143	With three-cond. cord, polarized receivers	5.00

No. 15 Key Type

89667	150	With two-cond. cord, D. C. receivers.....	5.80
89668	151	With two-cond. cord, polarized receivers..	5.90
89669	152	With three-cond. cord, D. C. receivers....	5.80
89670	153	With three-cond. cord, polarized receivers	5.90
89671	154	With four-cond. cord, polarized receivers.	6.00

No. 27 Hand Phone Set

Comprises hand phone having call button in handle just above talking key, a line terminal strip, a 4-ohm buzzer and a screw hook for suspending the hand phone to the side of desk or to wall. Finish is black and nickel; other finishes extra.

89672	27	Complete.....	7.50
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

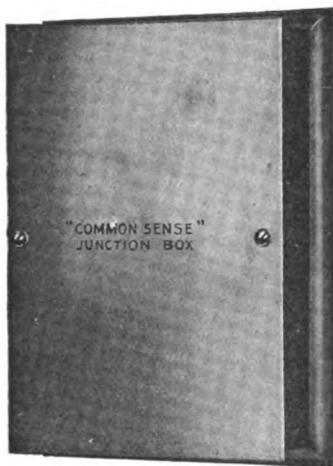


No. 15

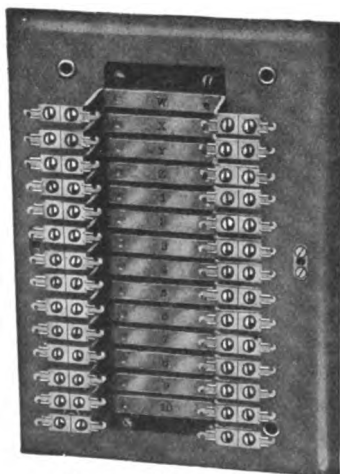


No. 27

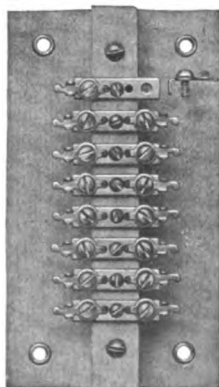
COUCH TELEPHONE JUNCTION BOXES



No. 63, with Cover On



No. 63, with Cover Off



No. 6300

No. 63 "COMMON SENSE" JUNCTION BOXES

A special feature of the box is our new "Common Sense" Connector, which enables the workman to make either a screw or soldered connection, as he may prefer.

Removing, replacing or changing one or more wires for testing or other purposes is easily accomplished.

It will be observed that the manner in which the brass connector strips are formed and mounted, provides a runway for two cables through the center, and one cable on each side. The wires from the cables fan out to their respective connectors and may be soldered to the terminal clip or fastened directly under the screw which holds the terminal clip to the connector strip. If soldered it is not necessary to unsolder for a test, but merely to loosen corresponding screw and slip the terminal clip from under, with the wire attached.

The box is whitewood with a shellac finish.

We will supply the "Common Sense" Junction Box with any number of connectors, or we will supply the connectors mounted.

Trade No.	Mfrs. No.	Connector Strips	Price Each
057794	630	14	\$3.00
057795	631	20	4.00
057796	632	24	5.00
057797	633	30	6.00
057798	634	34	7.00
057799	636	36	7.20
057800	637	44	8.00
057801	638	56	9.60
057802	639	64	11.20
057803	6310	Brass connector strips only, with terminals	.20

No. 6300

The connectors of this junction box are provided with combination terminals to which wires can be soldered or fastened under machine screws. If the wires are soldered to the terminal clip and it is required to open a line for a test it is not necessary to unsolder the wire but simply to remove a machine screw to separate the terminal clip from the connector.

This junction box provides ample room for cables and affords a superior method for making a branch as compared with a taped splice, both in time saved and in appearance. Furthermore, in case of line trouble a fault can be more conveniently located to a particular section of the wiring than by opening splices. Boxes are provided with a cover.

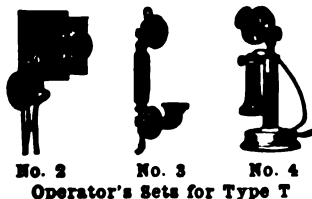
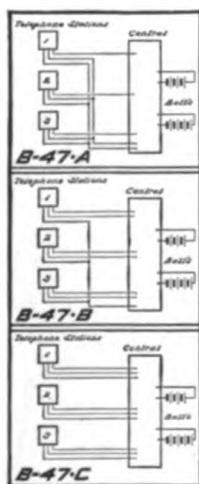
Trade No.	Mfrs. No.	Connector Strips	Price Each
89642	6300	8	\$1.60
89643	6301	12	2.00
89644	6302	16	2.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COTELCO ANNUNCIATORS



Type T

No. 2 No. 3 No. 4
Operator's Sets for Type T

System B-47

TELEPHONE CALL

These annunciators are wired for System B-47, which is adapted for use in connection with either of the following methods of house wiring:

One direct and two common wires—B-47A.

Two direct and one common wire—B-47B.

Three direct and no common wire—B-47C.

This is an important improvement in telephone annunciator practice because heretofore it has been necessary to order apparatus to suit the house wiring or else to wire the house to accommodate the manufacturer's apparatus.

For either of the above mentioned methods of house wiring these annunciators can be equipped with one or more cross-connecting cord circuits.

Each line equipment consists of a Cotelco Drop and a two-spring jack.

Each cord equipment consists of two plugs with suitable length cords, a ringing button and a listening key, and either single or double supervisory signals, as desired.

An operator's plug with cord and ringing button is furnished with every Cotelco Telephone Annunciator whether cross-connecting cord equipments are ordered or not.

Type T

This is the standard pattern. Stock finish is dark golden oak. The operator's telephone may be attached to the case, as shown in the illustration, or may consist of a hand microphone attached to the case, or a detached wall set or portable desk set.

Trade No.	No. of Lines	Horizontal Rows	OUTSIDE DIMEN., IN. Height	Width	Price per Line
41443	10	5	28	7 ³ / ₈	\$4.00
41444	16	4	25 ³ / ₈	10 ³ / ₈	3.80
41445	20	5	28	10 ³ / ₈	3.40
41446	25	5	28	11 ⁷ / ₈	3.00
41447	30	6	32 ¹ / ₈	14 ³ / ₈	2.80
41448	36	6	32 ¹ / ₈	15 ⁷ / ₈	2.70
41449	42	7	34 ⁷ / ₈	15 ⁷ / ₈	2.60
41450	49	7	34 ⁷ / ₈	17 ³ / ₈	2.50
41451	56	8	37 ¹ / ₈	17 ³ / ₈	2.40
41452	64	8	37 ¹ / ₈	18 ⁷ / ₈	2.30
41453	72	9	39 ¹ / ₄	18 ⁷ / ₈	2.30
41454	81	9	39 ¹ / ₄	20 ³ / ₈	2.20
41455	90	10	41 ⁷ / ₈	20 ³ / ₈	2.20
41456	100	10	41 ⁷ / ₈	21 ⁷ / ₈	2.10

Intermediate sizes bear price per line of the nearest size listed.

Sizes above 100 lines, per line, \$2.10.

OPERATOR'S TELEPHONE SETS
Selection Optional

Trade No.	Mfrs. No.	Description	Price Each
41457	1	Attached to case, as illustrated.....	\$8.00
41458	2	Wall telephone	8.00
41459	3	Hand microphone, attached to case...	12.00
41460	4	Portable desk telephone, with 5-foot cord	12.00

CORD EQUIPMENT

41461	..	Cross-connecting cord pairs with single supervisory, per pair.....	7.00
41462	..	Cross-connecting cord pairs with double supervisory, per pair.....	10.00

NOTE.—When ordering, be sure to specify number of lines, number and kind of cord pairs, and the kind of operator's set desired. Also send list of markings for the drops and jacks.

No charge is made for markings. The right is reserved to abbreviate markings to suit the space provided for them.

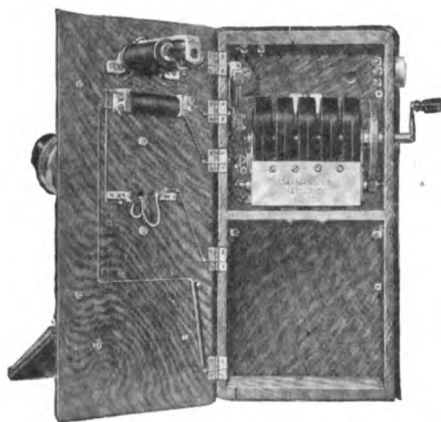
ROOM TELEPHONES

Any type of Couch Sub-Station Telephone may be used with these annunciators if wired for System B-47.

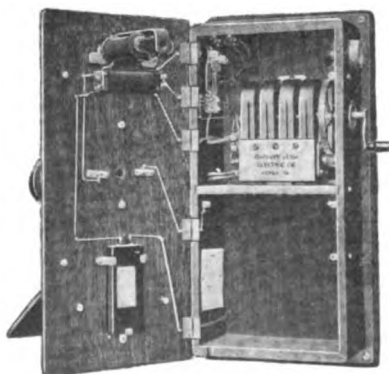
CRACRAFT-LEICH MAGNETO TELEPHONES



No. 4A



No. 5A



No. 4C

For Series or Bridging Use

The magneto telephones illustrated are the guaranteed product of the Cracraft-Leich Electric Co., Genoa, Illinois.

The woodwork is of the best quarter-sawed oak with a polished, dark golden oak finish.

The transmitter is of the solid back type of high resistance for local or long distance service. A bipolar, non-adjustable receiver with concealed binding posts is used.

The induction coil, ringer and condenser are mounted on the door. The induction coil is of the low wound type designed to produce the most perfect articulation for both local and long distance service.

The ringer is self-contained and has an eccentric gong adjustment. The armature is guaranteed not to stick. The hook switch is of the vertical type, which insures positive action and is removable.

An especially designed generator of high output is furnished. Lightning arresters are of the efficient carbon and mica type and are mounted on the right hand side out of the way as are also the line terminals.

If the telephone is to be used on a loaded party line, a condenser should be connected in the receiver circuit. This condenser is attached to the lower part of the door by clamps provided for the purpose.

COMPACT WALL TELEPHONES

Trade No.	Mfrs. No.	No. Gener-ator	Ohms Bars Ringer	Type	Price Each
32551	103B-	80	3 80	Series	\$19.40
32552	104B-	80	4 80	Series	19.90
32553	103A-	500	3 500	Bridging	19.60
32554	103A-	1000	3 1000	Bridging	20.00
32555	103A-	1600	3 1600	Bridging	20.20
32558	104A-	500	4 500	Bridging	20.10
32559	104A-	1000	4 1000	Bridging	20.50
32560	104A-	1600	4 1600	Bridging	20.70
32561	104A-	2000	4 2000	Bridging	20.90
32562	104A-	2500	4 2500	Bridging	21.30
32564	105A-	1000	5 1000	Bridging	21.30
32565	105A-	1600	5 1600	Bridging	21.40
32566	105A-	2000	5 2000	Bridging	21.60
32567	105A-	2500	5 2500	Bridging	21.90

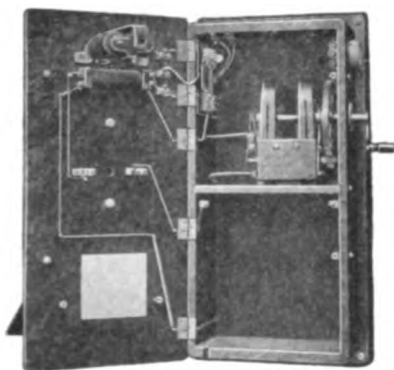
The following auxiliary equipments will be furnished with all magneto telephones. To order, change letter A to letter corresponding to equipment desired.

Trade No.	Type	Description	Extra Price
32568	C	With condenser in receiver circuit.....	\$0.50
32569	D	With push button to ground.....	.50
32570		With push button and condenser.....	1.00
32571	G	Wired for silent ringing.....	No charge.
32572	H	With pulsating generator and grounded ringer for divided circuit.....	.20
32573	K	With pulsating generator and bridged ringer for central checking.....	.20
32574	F	With pulsating generator and push button for grounded lines.....	.70

Prices do not include batteries.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRACRAFT-LEICH FOUR-PARTY SELECTIVE TELEPHONES



No. 2J



No. 34A



No. 33A

These telephones are of the same construction as the standard compact, but are provided with 2-bar generator and biased ringer for calling selectively on party lines.

Trade No.	Mfrs. No.	No. Generator Bars	Ringer Cycles	Ohms	Price Each
32584	102J-1000	2	....	1000	\$19.50
32585	102J-1600	2	....	1600	19.80
32586	102J-2000	2	....	2000	20.00
32587	102J-2500	2	....	2500	20.30

MAGNETO HARMONIC TELEPHONES

Magneto Harmonic Telephones are of the same type as the compact wall telephone, the equipment differing only in that the ringer is designed to respond to A. C. of various frequencies. The generator is of the 2-bar type, of sufficient output to call central but to prevent tapping bells on the same line.

Compact Type—16, 33, 50 and 66-cycle Ringers

32588	102L-16	2	16	2500	21.50
32589	102L-33	2	33	500	21.00
32590	102L-50	2	50	500	21.00
32591	102L-66	2	66	500	21.00

Compact Type—30, 42, 54 and 66-cycle Ringers

32592	103M-30	3	30	1000	20.60
32593	103M-42	3	42	1000	20.60
32595	103M-54	3	54	1000	20.60
32596	103M-66	3	66	1000	20.60

Compact Type—Pulsating Harmonic Ringers—30, 42, 54 and 66 Cycles

32597	103P-30	3	30	1000	20.60
32598	103P-42	3	42	1000	20.60
32599	103P-54	3	54	1000	20.60
32600	103P-66	3	66	1000	20.60

42 and 54-cycle pulsating current telephones are standard for four-party metallic ringing. The 30 and 66-cycle telephones are used only when six or eight-party metallic ringing is used.

MAGNETO RESIDENCE TYPE TELEPHONES

The wiring and equipment is identical with that provided for the compact magneto wall telephone, the only difference being in the cabinet, which is of the short type. The batteries are mounted outside of the cabinet.

Equipped with three or four-bar generators and any of the standard ringers.

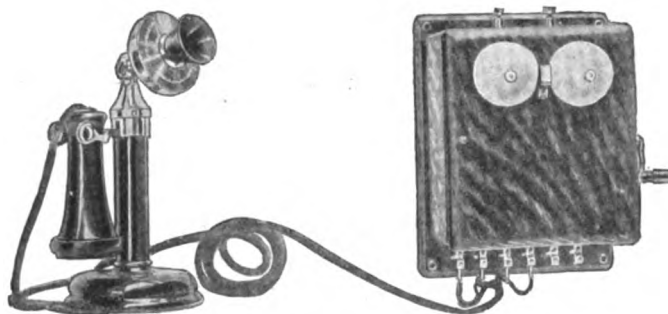
32601	33B-	80	3	80—Series	18.40
32602	34B-	80	4	80—Series	18.90
32603	33A-	500	3	500	18.60
32604	33A-	1000	3	1000	19.00
32605	33A-	1600	3	1600	19.20
32608	34A-	500	4	500	19.10
32609	34A-	1000	4	1000	19.50
32610	34A-	1600	4	1600	19.70
32611	34A-	2000	4	2000	19.90
32612	34A-	2500	4	2500	20.30

Prices do not include batteries.

Sure-ring condenser and modified wiring arrangements, as described under compact type telephones, can be furnished at the same additional prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRACRAFT-LEICH MAGNETO DESK TELEPHONES



No. 14A

The desk telephone illustrated is of new design throughout. It has a strong and neat appearing head made of brass. All nickel parts are made of the same material, being the most satisfactory for wear as well as for strength. The stem and base are finished in heavy black enamel. There are no working parts in the stem, except the hook lever and movable rod. Either can be easily reached. The switch spring, induction coil and terminal block are mounted in the base.

While there is ample room for this equipment, the base is small, but not out of proportion to the rest of the stand. Transmitter, receiver and induction coil are of the type used on the wall telephone.

Extension generator and bell boxes are provided with equipment of 3, 4 or 5-bar generators and any resistance ringer wired for the kind of service desired. The bell box is of quarter-sawed oak with dull, golden oak finish. Condenser for sure ring purposes can be added at any time by mounting on lower inside portion of door.

Trade No.	Mfrs. No.	No. Generator Bars	Ringer Ohms	Type	Price Each	Trade No.	Mfrs. No.	No. Generator Bars	Ringer Ohms	Type	Price Each
32628	13B-80	3	80	Series	\$21.40	32637	14A-1600	4	1600	.....	\$22.70
32629	14B-80	4	80	Series	21.90	32638	14A-2000	4	2000	.....	22.90
32630	13A-500	3	500	Bridging	21.60	32639	14A-2500	4	2500	.....	23.30
32631	13A-1000	3	1000	Bridging	22.00	32641	15A-1000	5	1000	.....	23.30
32632	13A-1600	3	1600	Bridging	22.20	32642	15A-1600	5	1600	.....	23.40
32635	14A-500	4	500	Bridging	22.10	32643	15A-2000	5	2000	.....	23.60
32636	14A-1000	4	1000	.....	22.50	32644	15A-2500	5	2500	.....	23.90

The following auxiliary equipments will be furnished with all magneto desk telephones. To order, change letter A to letter corresponding to equipment desired.

Type	Description	Extra Price
C	With condenser in receiver circuit.....	\$0.50
D	With push button to ground.....	.50
	With push button and condenser.....	1.00
G	Wired for silent ringing, no charge.....	.....
H	With pulsating generator and grounded ringer for divided circuit.....	.20
K	With pulsating generator and bridged ringer for central checking.....	.20
F	With pulsating generator and push button.....	.70

FOUR-PARTY SELECTIVE DESK TELEPHONES

The four-party desk telephones are of the same type as the standard desk telephone, but the bell box is equipped with a 2-bar generator and biased ringer for calling selectively on party lines.

Trade No.	Mfrs. No.	No. Generator Bars	Cycles	Ringer Ohms	Price Each	Trade No.	Mfrs. No.	No. Generator Bars	Cycles	Ringer Ohms	Price Each
32646	12J-1000	2	....	1000	\$21.50	32648	12J-2000	2	....	2000	\$22.00
32647	12J-1600	2	....	1600	21.80	32649	12J-2500	2	....	2500	22.30

MAGNETO HARMONIC DESK TELEPHONES

Magneto desk telephone sets can be furnished with the extension bell boxes wired for service on harmonic party lines. Ringers for any of the standard frequencies can be supplied together with generator of proper design.

Two-piece Desk Set—16, 33, 50 and 66 Cycles

32650	12L-16	2	16	2500	\$23.50	32668	12L-50	2	50	500	\$23.00
32651	12L-33	2	33	500	23.00	32669	12L-66	2	66	500	23.00

30, 42, 54 and 66 Cycles

32652	13M-30	3	30	1000	22.60	32670	13M-54	3	54	1000	22.60
32653	13M-42	3	42	1000	22.60	32671	13M-66	3	66	1000	22.60

Pulsating Harmonic Ringers—30, 42, 54 and 66 Cycles

32654	13P-30	3	30	1000	22.60	32672	13P-54	3	54	1000	22.60
32655	13P-42	3	42	1000	22.60	32673	13P-66	3	67	1000	22.60

Prices do not include batteries.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRACRAFT-LEICH AUTOMAPHONES



No. 6A, Closed



No. 6A, Open

The Leich Automaphone is designed for the purpose of giving the same class of service on a magneto switchboard that can be obtained on the most modern common battery type of board. The Automaphone automatically operates the switchboard drop when the receiver is lifted, and gives a positive clearing out signal when the subscriber hangs up. No hand generator is used. It can be operated on your present switchboard in conjunction with your magneto telephones now in service without changing any of the wiring in the board. The signaling is accomplished by a set of two auxiliary batteries which momentarily are connected to the line in series with the two talking batteries, while the hook lever is in either its upward or downward movement. The two auxiliary cells in series with the two talking batteries produce a pressure of about 9 volts, which will operate a modern 500-ohm switchboard drop over a resistance of 300 to 400 ohms. This makes the Automaphone the ideal instrument for village and medium sized city exchanges where the lines do not exceed three to four miles in length from the central office.

The life of the auxiliary signaling batteries depends upon the so-called shelf wear, the work required of them being exceedingly light (they should last two years in service).

Ringers of either the straight pulsating current or harmonic types can be supplied. All necessary batteries are included in the following prices.

WALL SETS—STRAIGHT BRIDGING

Trade No.	Mfrs. No.	Cycles	Ringer Ohms	Price Each
32678	6A-1000	....	1000	\$15.50
32679	6A-1600	....	1600	16.00

FOUR AND EIGHT-PARTY SELECTIVE AUTOMAPHONE

To Operate on Frequencies 16, 33, 50 and 66 Cycles

Equipped with 1-M. F. condenser in ringer circuit.

32680	6L-16	16	2500	18.00
32681	6L-33	33	500	17.30
32682	6L-50	50	500	17.30
32683	6L-66	66	500	17.30

To Operate on Frequencies of 30, 42, 54 and 66 Cycles

Require no resistance coil or condenser. All ringers are wound to 1000 ohms. All armatures are interchangeable.

32684	6M-30	30	1000	16.50
32685	6M-42	42	1000	16.50
32686	6M-54	54	1000	16.50
32687	6M-66	66	1000	16.50

Equipped with Pulsating Current Harmonic Ringer—42 and 54 Cycles

32698	6P-30	30	1000	16.50
32688	6P-42	42	1000	16.50
32689	6P-54	54	1000	16.50

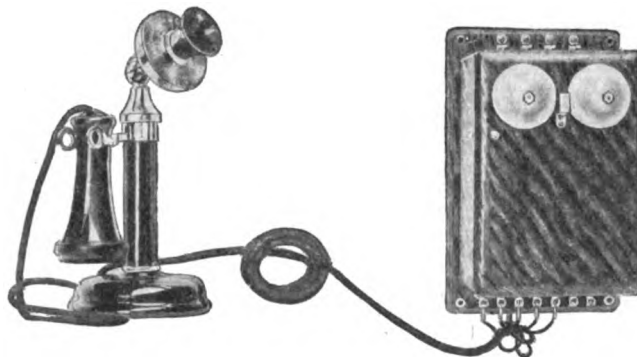
Equipped with Pulsating Current Biased Ringer

32690	6J-1000	....	1000	16.00
32691	6J-1600	....	1600	16.50
32692	6J-2000	....	2000	16.50
32693	6J-2500	....	2500	17.00

Prices do not include batteries.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRACRAFT-LEICH AUTOMAPHONES



No. 16A

DESK AUTOMAPHONES COMPLETE, WITH BATTERIES—STRAIGHT BRIDGING

Trade No.	Mfrs. No.	Cycles	Ringer Ohms	Price Each
32708	16A-1000	....	1000	\$18.00
32709	16A-1600	....	1600	18.50

FOUR AND EIGHT-PARTY SELECTIVE DESK AUTOMAPHONES

To Operate on Frequencies of 16, 33, 50 and 66 Cycles

These instruments are equipped with 1-M. F. condenser in ringer circuit.

32710	16L-16	16	2500	20.50
32711	16L-33	33	500	19.80
32712	16L-50	50	500	19.80
32713	16L-66	66	500	19.80

To Operate on Frequencies of 30, 42, 54 and 66 Cycles

These instruments require no resistance coil or condenser. All ringers are wound to 1000 ohms. All armatures are interchangeable.

32714	16M-30	30	1000	19.00
32715	16M-42	42	1000	19.00
32716	16M-54	54	1000	19.00
32717	16M-66	66	1000	19.00

Equipped with Pulsating Current Harmonic Ringer—42 and 54 Cycles

32730	16P-30	30	1000	19.00
32718	16P-42	42	1000	19.00
32719	16P-54	54	1000	19.00

Equipped with Pulsating Current Biased Ringer

32720	16J-1000	....	1000	18.20
32721	16J-1600	....	1600	18.70
32722	16J-2000	....	2000	18.80
32723	16J-2500	....	2500	19.00

AUTOMAPHONE DESK STANDS

Trade No.	Mfrs. No.		Price Each
32728	2L	Automophone Desk Stand only, with cord, no induction coil or terminal block.....	\$12.50
32729	2A	Automophone Desk Stand only, with induction coil and terminal block.....	14.10

Prices do not include batteries.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

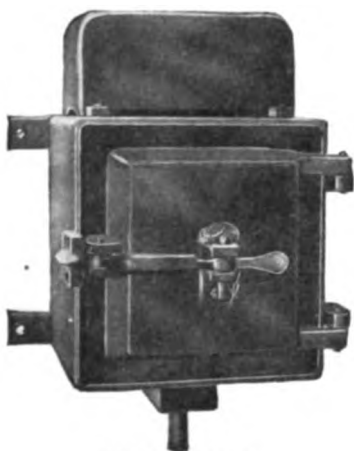
CRACRAFT-LEICH TELEPHONES



No. 1A Desk Stand

DESK STANDS

Trade No.	Mfrs. No.	Description	Price Each
32752	1A	Local battery desk stand, including transmitter, receiver, induction coil, cord and terminal block.....	\$10.90
32753	1B	Same as No. 1A, less induction coil..	10.20
32754	1L	Same as No. 1A, less terminal block..	10.50
32755	2A	Automaphone desk stand only, with induction coil and terminal block..	14.10
32756	2L	Automaphone desk stand only, with cord; no induction coil or terminal block.....	12.50
32757	1D	Central battery desk stand with D.C. receiver, 2 conductor cords and terminal block.....	9.60
32758	1C	Central battery desk stand with induction coil and terminal blocks..	10.60



Mine Telephone

MINE TELEPHONES

Mine telephones are designed for use in mines, on rail-ways and other industries where absolutely water, acid and gas-proof telephones are demanded.

The outer casing is of cast iron protected by a metallic rustproof paint. Double doors with rubber and felt gaskets protect all parts. All wiring and coils are boiled in beeswax and protected by an insulating varnish.

32741	43A	Standard, with 5-bar generator, 1600-ohm ringer.....	52.40
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BATTERY CALL TELEPHONES

These telephones are designed for private use where but two instruments are connected to a line. They are equipped with a vibrating bell and push button and will operate on lines 1000 feet long. From two to three dry batteries are required at each telephone; and binding posts are provided for both battery and line connections. The transmitter, receiver, induction coil and hook switch are of standard type.

32740	42A	With 5-ohm vibrating ringer (less batteries).....	10.60
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INTERCOMMUNICATING TELEPHONES

These telephones are of the same type as the battery call instruments described above, but have mounted just below the transmitter a row of five push buttons for calling any of five other telephones, selectively. The talking is done over a common pair of wires. Simple and efficient.

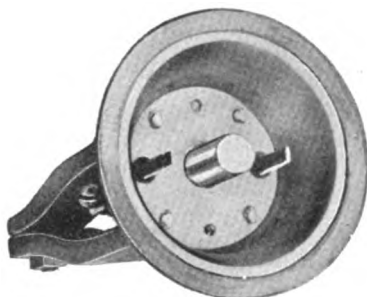
32759	41A	Six-station intercommunicating telephone, selective ringing, common talking.....	14.80
32760	....	Complete set of six No. 41A telephones with necessary batteries, etc.....	100.70



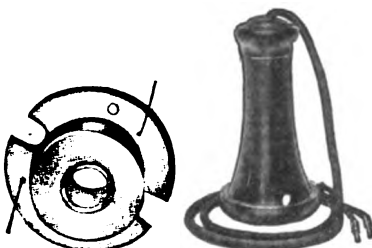
Battery Call Telephone

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRACRAFT-LEICH CENTRAL BATTERY TELEPHONES



D. C. Receiver, Coil Removed



D. C. Receiver Coil

D. C. Receiver



Desk Telephone

Cracraft-Leich Central Battery Telephones represent the highest development in telephones of this class and are also the simplest when equipped with the direct current receiver, which eliminates the use of an induction coil.

The transmitter is of the solid back type; carbon chamber is hermetically sealed by a mica diaphragm coming in contact with the carbon buttons and granules. Packing and frying have been eliminated.

A receiver of either the direct current or magnetic type is furnished. The latter requires an induction coil. The direct current receiver is as efficient for long distance service as for short local communication and is fully guaranteed.

The direct current telephone set is recommended for all central battery exchanges because of its simplicity and low cost of maintenance. All objections heretofore have been due to the inefficiency of the receiver. The new direct current receiver is correctly designed. It is as efficient for long as for short lines. The simplicity of its construction is shown by the illustration.

Central Battery Telephones can be furnished in all standard types, namely, desk, wall, residence and hotel.

CENTRAL BATTERY DESK TELEPHONE

Cracraft-Leich Desk Telephones have a strong and neat adjustable head of brass, heavily nickel-plated. The stem and base are finished in black enamel.

There are no working parts in the stem except the hook lever and a movable rod. Switch springs and terminal block are mounted in the base.

Direct current receiver and the transmitter are connected in series across the line, using a single contact hook switch to open the line when the receiver is placed on the hook. This provides the simplest possible circuit and requires only a 2-conductor cord for the desk stand. Extension bells are furnished with 1-micro-farad condenser and are equipped with either straight, harmonic or biased ringers of any resistance.

Direct Current Receiver, No Induction Coil

Direct Current Receiver, No Induction Coil					EXTENSION	BELLS
Trade No.	Mfrs. No.	Ohms Ringer	Style Ringer	Price Each	Mfrs. No.	Price Each
133261	10D-500	500	1-M. F. condenser	\$14.20	1A-500	\$5.30
133262	10D-1000	500	1-M. F. condenser.	14.40	1A-1000	5.70
Four-party—Biased Ringer						
133263	10E-1000	1000	5000-ohm res. coil	14.60	1B-1000	5.90
133264	10E-2500	2500	5000-ohm res. coil	15.60	1B-2500	6.60
133265	10H-1000	1000	8000-ohm res. coil	14.90	1G-1000	6.10
133266	10H-2500	2500	8000-ohm res. coil	15.90	1G-2500	6.90
Four-party—Harmonic Ringer						
133267	10F-60	2500	16 cycles, 1-M. F. cond	15.90	1C-16	6.90
133268	10F-33	500	33 cycles, 1-M. F. cond.	15.20	1C-33	6.20
133269	10F-50	500	50 cycles, 1-M. F. cond.	15.20	1C-50	6.20
133270	10F-66	500	66 cycles, 1-M. F. cond.	15.20	1C-66	6.20
133271	10F-30	1000	30 cycles, 1-M. F. cond.	15.40	1C-30	6.40
133272	10F-42	1000	42 cycles, 1-M. F. cond.	15.40	1C-42	6.40
133273	10F-54	1000	54 cycles, 1-M. F. cond.	15.40	1C-54	6.40

Oak extension bell boxes are furnished with above telephones, but metal type can be furnished at same price. Induction coil provided for \$1.00 extra.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRACRAFT-LEICH CENTRAL BATTERY TELEPHONES**CENTRAL BATTERY RESIDENCE TYPE WALL TELEPHONES**

Residence Type Telephone

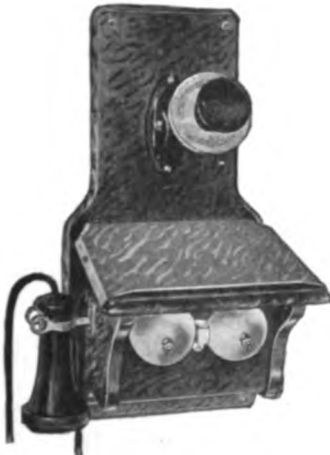
These instruments are particularly adapted to residence use, being compact and neat. Have a quarter-sawed oak cabinet finely finished in dark oak. Provided with standard Cracraft-Leich Long Distance Transmitter and direct current receiver. Ringers of straight line and harmonic or pulsating type furnished, as required. Connections from door to box are through special extension wire hinges.

With Direct Current Receiver, No Induction Coil					
Trade No.	Mfrs. No.	Ohms Ringer	Style Ringer		Price Each
32762	9D-500	500	1-M. F. condenser.....		\$11.80
32763	9D-1000	1000	1-M. F. condenser.....		12.00
Four Party—Biased Ringer					
32764	9E-1000	1000	5000-ohm res.coil.		12.20
32765	9E-2500	2500	5000-ohm res.coil.		13.20
32766	9H-1000	1000	8000-ohm res.coil.		12.50
32767	9H-2500	2500	8000-ohm res.coil.		13.50
Four Party—Harmonic Ringer					
32768	9F-16	2500	16 cycles, 1-M.F. cond.		13.50
32769	9F-33	500	33 cycles, 1-M.F. cond.		12.80
32770	9F-50	500	50 cycles, 1-M.F. cond.		12.80
32771	9F-66	500	66 cycles, 1-M.F. cond.		12.80
32783	9F-30	1000	30 cycles, 1-M.F. cond.		13.00
32784	9F-42	1000	42 cycles, 1-M.F. cond.		13.00
32785	9F-54	1000	54 cycles, 1-M.F. cond.		13.00

Above equipped with induction coil, \$1.00 extra.

CENTRAL BATTERY BUSINESS TYPE TELEPHONES

This business type telephone is smaller than commonly used. Made of quarter-sawed oak, dark finish. Line binding post, hook switch, ringer and condenser all accessible. Transmitter arm made of steel, black enameled. Standard Cracraft-Leich Long Distance Transmitter and direct current receiver. Provided with ringer for harmonic, biased or straight line ringing. All wiring on backboard placed in slots and filled with beeswax.



Business Type Telephone

With Direct Current Receiver, No Induction Coil					
Trade No.	Mfrs. No.	Ohms Ringer	Style Ringer		Price Each
32772	8D-500	500	1-M. F. condenser.....		\$12.80
32773	8D-1000	1000	1-M. F. condenser.....		13.00
Four Party—Biased Ringer					
32774	8E-1000	1000	5000-ohm res.coil.		13.20
32775	8E-2500	2000	5000-ohm res.coil.		14.20
32776	8H-1000	1000	8000-ohm res.coil.		13.50
32777	8H-2500	2000	8000-ohm res.coil.		14.50
Four Party—Harmonic Ringer					
32778	8F-16	2500	16 cycles, 1-M.F. cond.		14.50
32779	8F-33	500	33 cycles, 1-M.F. cond.		13.80
32780	8F-50	500	50 cycles, 1-M.F. cond.		13.80
32781	8F-66	500	66 cycles, 1-M.F. cond.		13.80
32786	8F-30	1000	30 cycles, 1-M.F. cond.		14.00
32787	8F-42	1000	42 cycles, 1-M.F. cond.		14.00
32788	8F-54	1000	54 cycles, 1-M.F. cond.		14.00

Above equipped with induction coil, \$1.00 extra.

CENTRAL BATTERY HOTEL TELEPHONES

This telephone is particularly adapted for hotel use or interior telephone systems where a cheaper form of signaling system is desired.

In place of the polarized ringer, it is equipped with a 20-ohm vibrating bell. A third wire or ground connection is required for the ringing. This obviates the use of a condenser and expensive high wound polarized ringer.

Equipped with Cracraft-Leich Standard Long Distance Transmitter and direct current receiver and hook switch with single contact.

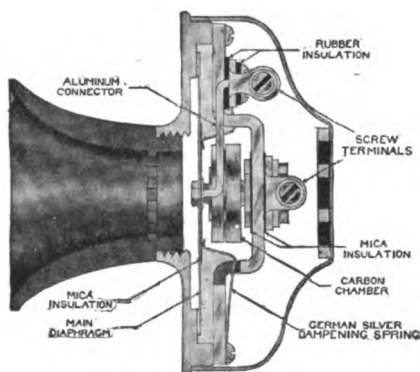
32782	40A	20-ohm vibrating bell and D.C. receiver	9.20
32789	44A	500-ohm polarized ringer, D.C. receiver for 2-wire circuit.....	10.80



Hotel Telephone

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

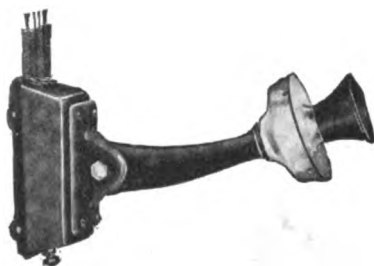
CRACRAFT-LEICH TELEPHONE APPARATUS



No. 1L Transmitter



No. 1A



No. 2A



No. 3A

No. 1A
ReceiverNo. 4A
Operator's Receiver

TRANSMITTERS

Designed to meet the requirements of the most exacting service in local and long distance transmission. Guaranteed indefinitely under normal operating conditions. Low battery consumption.

Trade No.	Mfrs. No.	Description	Price Each
32944	1L	Local battery transmitter complete, with mouthpiece, back cup having universal mounting holes	\$2.20
32950	1C	Central battery transmitter	2.20
32945	2L	Local battery switchboard transmitter, with mouthpiece	2.70
32951	2C	Central battery switchboard transmitter with mouthpiece	2.70
32946	1039	Mouthpiece, composition . . . . .	.10
32947	1027	Carbon chamber complete	1.00
32948	1028	Transmitter diaphragm . . . . .	.08
32949	1L	Transmitter carbon, per ounce	2.00

TRANSMITTER ARMS

32956	1A	Arm less transmitter and cords . . . . .	.60
32957	1A	Arm with cords and No. 1L or C transmitter	2.90
32960	2A	Arm less induction coil, transmitter and cords	1.10
32961	2A	Arm with cords and No. 1A induction coil, less transmitter	2.10
32976	2A	Arm with cords, No. 1A induction coil and No. 1L transmitter	4.30
32958	3A	Arm less transmitter and cords . . . . .	.70
32959	3A	Arm with cords and No. 1L or C transmitter	3.00

RECEIVERS

32964	1A	Receiver complete with 36-inch worsted cord	1.80
32965	2A	Direct current receiver complete with cord	1.80

Add 10 cents to list price of receivers if silk cord is desired.

32966	1A	Composition receiver shell only . . . . .	.40
32967	1A	Composition receiver cap only . . . . .	.12
32968	1041	Diaphragm only . . . . .	.04
32969	4A	Operator's receiver	2.20
32970	4A	Operator's receiver complete with enameled head-band, no cord	2.60
32973	4A	Operator's receiver cap . . . . .	.32
32974	2A	Operator's receiver head band, enameled . . . . .	.40
32975	1A	Operator's receiver head band, leather . . . . .	.70

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRACRAFT-LEICH TELEPHONE APPARATUS



No. 3A Generator Box



Generator Bell Box



Extension Bell



No. 5A Generator

GENERATOR BOXES

Trade No.	Mfrs. No.	No. Generator Bars	Description	Price Each
33026	3A	3	Alternating	\$7.20
33027	4A	4	Alternating	8.50
33028	5A	5	Alternating	9.40
33029	3B	3	Pulsating	7.50
33030	4B	4	Pulsating	8.80
33031	5B	5	Pulsating	9.60

GENERATOR BELL BOXES

Trade No.	Mfrs. No.	No. Generator Bars	Ringer Ohms	Price Each
33032	23B-	80	3 80	\$10.90
33033	23A-	500	3 500	11.10
33034	23A-	1000	3 1000	11.50
33035	24A-	500	4 500	11.60
33036	24A-	1000	4 1000	12.00
33037	24A-	1600	4 1600	12.20
33038	25A-	1000	5 1000	12.80
33039	25A-	1600	5 1600	12.90
33040	25A-	2000	5 2000	13.10
33041	25A-	2500	5 2500	13.40

EXTENSION BELL BOXES

Local Battery—Series				Price Each
Trade No.	Mfrs. No.	Ringer Ohms		
32827	2B-	80	80	\$4.40
Local Battery—Bridging				
32828	2A-	500	500	4.60
32829	2A-	1000	1000	5.00
32830	2A-	1600	1600	5.20
32831	2A-	2000	2000	5.30
32832	2A-	2500	2500	5.60
Local Battery—Biased Ringer				
32833	2J-	1000	1000	5.20
32834	2J-	1600	1600	5.40
32835	2J-	2000	2000	5.52
32836	2J-	2500	2500	6.00

GENERATORS

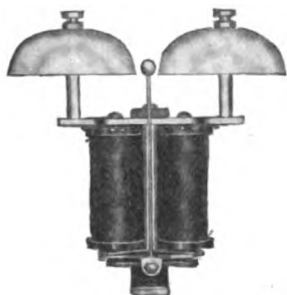
Trade No.	Mfrs. No.	No. of Bars	Description	Price Each
133207	3A	3	Alternating current	\$5.50
133208	4A	4	Alternating current	6.00
133209	5A	5	Alternating current	6.90
133210	3B	3	Pulsating and alternating current...	5.80
133211	4B	4		6.40
133212	5B	5		7.20
133213	5C	5	Switchboard generator.....	6.90
133214	2A	2	Alt current for harmonic phones...	4.80

GENERATOR PARTS

Trade No.	Mfrs. No.	Description	Price Each
133215	1246	Commutator, for pulsating current.....	\$0.22
133216	1242	Universal shunt assembled.....	.42
133217	1243	Alternating and pulsating current shunt assembled.....	.46
133218	1245	Generator crank and handle.....	.38
133219	1233	Crank handle.....	.10
133220	1239	Generator pinion.....	.22
133221	1211	Generator gear.....	1.16
133222	1240	Wound armature for 3-bar generator.....	2.70
133223	1269	Wound armature for 4-bar generator.....	3.20
133224	1270	Wound armature for 5-bar generator.....	3.70

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRACRAFT-LEICH TELEPHONE APPARATUS



No. 1A Ringer

STRAIGHT LINE RINGERS

Trade No.	Mfrs. No.	Ringer Ohms	Price Each
32917	1A- 500	500	\$2.60
32918	1A-1000	1000	3.00
32919	1A-1600	1600	3.20
32920	1A-2000	2000	3.30
32921	1A-2500	2500	3.70
32922	3A- 80	80	2.40

BIASED RINGERS

32923	5A- 500	500	2.80
32924	5A-1000	1000	3.20
32925	5A-1600	1600	3.40
32926	5A-2000	2000	3.50
32927	5A-2500	2500	3.90

HARMONIC RINGERS

For Common Battery Use, with Condenser

Trade No.	Mfrs. No.	Cycles	Ringer Ohms	Price Each
32901	4A-16	16	2500	\$4.20
32902	4A-33	33	500	3.50
32903	4A-50	50	500	3.50
32904	4A-66	66	500	3.50
32905	4A-30	30	500	3.50
32906	4A-42	42	500	3.50
32907	4A-54	54	500	3.50

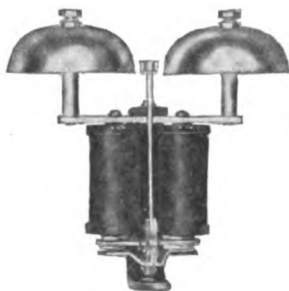
For Magneto Use, No Condenser

32908	4B-30	30	1000	3.70
32909	4B-42	42	1000	3.70
32910	4B-54	54	1000	3.70
32911	4B-66	66	1000	3.70

PULSATING CURRENT HARMONIC RINGERS

For Magneto Use, No Condenser

32912	6B-30	30	1000	3.70
32913	6B-42	42	1000	3.70
32914	6B-54	54	1000	3.70



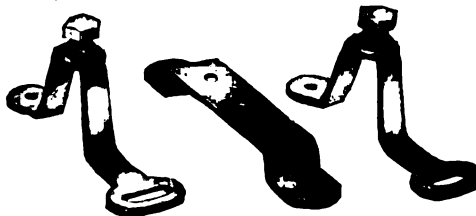
Harmonic Ringer

RINGER COILS

Trade No.	Ringer Ohms	Price per Pair
32935	80	\$1.30
32936	500	1.90
32937	1000	2.10
32938	1600	2.50
32939	2000	2.80
32940	2500	3.20

When ordering give number of ringer for which coils are wanted.

SEPARATE RINGER HEEL IRONS AND GONG POSTS



When separate gong posts are desired, ringers will be furnished with heel iron and gong post shown. Be sure to specify separate gong post; otherwise we will ship our standard ringer.

Trade No.	Price per Set
32934 Separate heel iron and gong posts.....	\$0.52
32941 2½-inch gongs only, per pair.....	.42



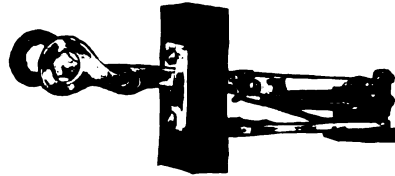
Pulsating Current Harmonic Ringer

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRACRAFT-LEICH TELEPHONE APPARATUS



No. 1A Induction Coil



No. 1E Hook Switch

No. 2
Binding Posts

No. 3A Hook Switch



No. 2A Hook Switch



No. 3



No. 4



No. 5

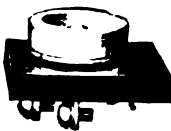


No. 6

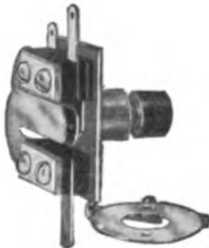
Binding Posts



No. 1A Arrester



No. 2A Arrester



No. 2A Push Button

INDUCTION COILS

Trade No.	Mfrs. No.	Description	Price Each
33046	1A	For magneto wall telephones.....	\$0.90
33047	3A	For magneto desk telephones.....	.90
33048	6A	For central battery wall telephones....	1.10
33049	4A	For central battery desk telephones....	1.10
32854	5A	For magneto switchboards.....	1.20
32855	8A	For magneto multiple switchboards....	1.20
32856	9A	For magneto switchboards with tertiary winding.....	1.70

HOOK SWITCHES

33042	1A	For series magneto old style wall telephones, 4 springs.....	1.20
32851	3A	For series magneto new style wall telephones, 4 springs.....	.90
32853	1E	For bridging magneto old style wall telephones, 3 springs.....	1.10
32852	3E	For bridging magneto new style wall telephones, 3 springs.....	.80
33044	1B	For central battery, single contact, straight lever.....	1.00
33045	1C	For central battery, single contact, curved lever.....	1.00
33043	2A	Wall automaphone hook switch. Also furnished for rewiring magneto telephones for automaphone service. Patent right given for one telephone for every hook switch purchased.....	3.00

BINDING POSTS

32822	2	Line binding posts.....	.10
32823	3	Line and cord terminal binding post....	.05
32824	4	Cord terminal binding post.....	.05
32825	5	Line and battery binding post.....	.05
32826	6	Line binding post.....	.05

Prices include screws for mounting.

LIGHTNING ARRESTERS

32819	1A	Lightning arrester, for old style telephone cabinets.....	.54
32820	1128	Carbon block for above.....	.10
32821	1129	Mica disc for above.....	.02
32857	2A	Lightning arrester, for new style telephone cabinets.....	.40

PUSH BUTTONS

32858	2A	Used in telephones to ring central grounded and parties metallic.....	.52
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

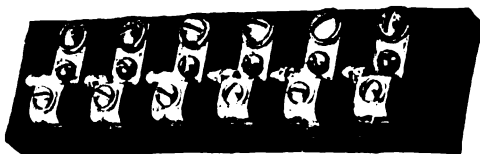
CRACRAFT-LEICH TELEPHONE APPARATUS



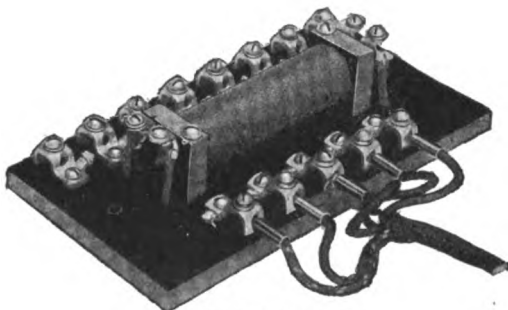
Condenser



Terminal Block, No. 2A



Terminal Block, No. 1A



Terminal Block, No. 3A



Two-line Switching Station

CONDENSERS

Trade No.	Mfrs. No.	Capacity	Dimensions Inches	Price Each
32848	1A	1 M. F.	$\frac{1}{2} \times 2\frac{3}{4} \times 4$	\$1.10
32849	4A	2 M. F.	$\frac{7}{8} \times 3\frac{1}{4} \times 4$	1.30
32850	3A	$\frac{1}{2}$ M. F.	$\frac{1}{2} \times 1\frac{3}{4} \times 4$	.52

TERMINAL BLOCKS

4-Point Terminal Block

Trade No.	Mfrs. No.	Description	Price Each
32987	2A	For central battery desk telephones; arranged for either spade or pin terminals on cords...	\$0.40

6-Point Terminal Block

32986	1A	For magneto desk telephones; arranged for either spade or pin terminals on cords.....	.54
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Terminal Block With Induction Coil

32988	3A	Used in connection with automaphone desk stands for extension sets or when battery bell box ordinarily furnished with automaphone is not desired.....	1.60
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TWO-LINE SWITCHING STATIONS

It is often desirable to separate through toll or farmer lines into two or more sections so that these sections may be used independently. To do this a switching station has been designed which meets requirements in a very satisfactory manner.

The necessary apparatus consists of a double throw locking key and a ringer of the required resistance, which should be of the same resistance as the ringers on the line. The parts are mounted in a neat oak cabinet and the key is wired so that the line may be divided and either leg connected to the intermediate telephone or the line may be connected through.

Ringer 1000 Ohms

Trade No.	Mfrs. No.	Description	Price Each
32989	1A-1000	Double throw key	\$10.60

Ringer 1600 Ohms

32990	1A-1600	Double throw key	11.10
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Ringer 2000 Ohms

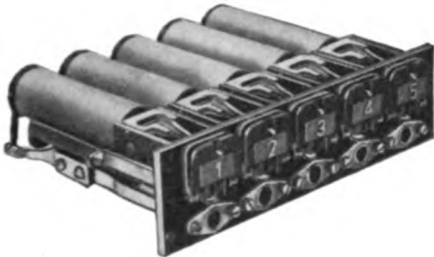
32991	1A-2000	Double throw key	11.20
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Ringer 2500 Ohms

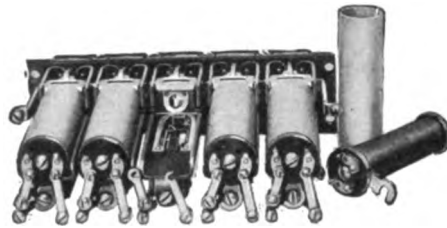
32992	1A-2500	Double throw key	11.70
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRACRAFT-LEICH MAGNETO SWITCHBOARDS



No. 1 Drop, Front View



No. 1 Drop, Rear View

With the exception of the Cracraft-Leich Magneto Switchboard, practically every switchboard now on the market is the modification of some previous type of board—a part added here or omitted there has resulted in the final design of these boards. It remained, however, for the Cracraft-Leich Electric Co. to design a magneto switchboard which retains all such features as are desirable and good, and also embodies several other novel features which are not contained in any other magneto board. Some of these are compactness and accessibility, obtained through the use of the Cracraft-Leich Self-Restoring Drop.

The illustration shows a bank of Cracraft-Leich Drops mounted five per strip. By removing two screws from the front of the drop strip the jack ferrule can readily be removed without interfering with the rest of the drop and jack.

By disengaging the small line connectors as shown in the rear view and loosening one screw, the drop spool and shell can be removed. The shell, being merely slipped over the spool, can then be taken off. This leaves the line jack, which has vertically mounted springs, open for inspection without removing the complete drop from the switchboard. The drop spool has an extended core which projects through the permanently fixed armature pole piece when the spool is placed in the drop. The permanent adjustment assures continued efficiency for the drop.

The trigger which releases the shutter is of the short type and insures sensitiveness. This trigger is also arranged to give a distinct rattle when operated, making it possible to detect code rings readily.

All other parts, such as keys, cords, plugs, etc., are of highest quality and fully guaranteed. Detailed catalogues of Cracraft-Leich Switchboards will be furnished on request.

SWITCHBOARD CABINETS, WALL TYPE

No. 10A-15 Switchboard

For small exchanges switching up to 15 lines this is the most complete and serviceable outfit that can be obtained. The cabinet is of quarter-sawed oak about the size of a telephone cabinet. It contains 15-line drops, 3-cord circuits, night bell and a complete operator's set all compactly mounted. The cord pairs are provided with double clear out drops. If single drops are specified, 20-line drops can be provided.

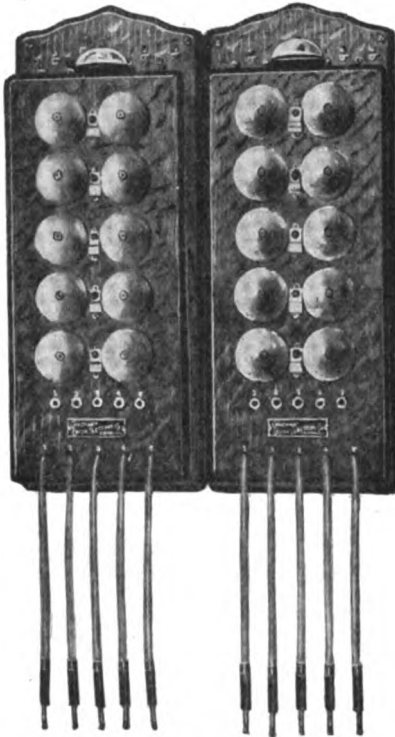
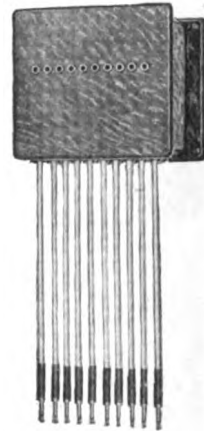
Prices Quoted on Application



No. 10A-15 Switchboard

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRACRAFT-LEICH MAGNETO SWITCHBOARDS

Two Cabinets No. 9A
Wall Switchboard

No. 2A-10 Switching Station

No. 9A WALL SWITCHBOARDS

To provide serviceable switchboard apparatus to meet the requirements of the small or isolated telephone exchange which does not have the attention of an experienced telephone man, the No. 9A Cracraft-Leich Ringer Board is recommended. This board comes in units of five lines. Each line terminates on a bell which will give the code ring. The bells are connected to jacks and cords by means of which the various lines are interconnected. An answering cord and plug is provided to connect with an ordinary telephone which is used for answering the calls by plugging into the jacks corresponding to the line calling.

No. 5A-40 WALL SWITCHBOARDS

40-line Board

These switchboards will meet all requirements for exchanges using more than 10 lines and where switching facilities up to 40 lines are desired. The cabinet is made of quarter-sawed oak, fully wired for eight pairs of cords and 40 lines. Space is provided for single or double clear out drops, condensers, repeating coils, etc. Also completely equipped with operator's set, ringing generator, night bell, drops and keys, the same as used in standard floor cabinets. The front part is hinged to the backboard, which is heavy, for attaching to the wall. Ten feet of cable is supplied.

No. 2A-10 SWITCHING STATION

For small exchanges up to ten lines capacity and for conditions which the No. 9A ringer board will not fill, a simple plug and jack box will often meet requirements. With the No. 2A-10 switching device an ordinary extension bell is connected to each line for signaling. A standard bridging telephone is used for the operator's equipment. To this telephone a cord and plug are attached, with which it can be connected to any line terminating on the switching device.

Prices Quoted on Application.

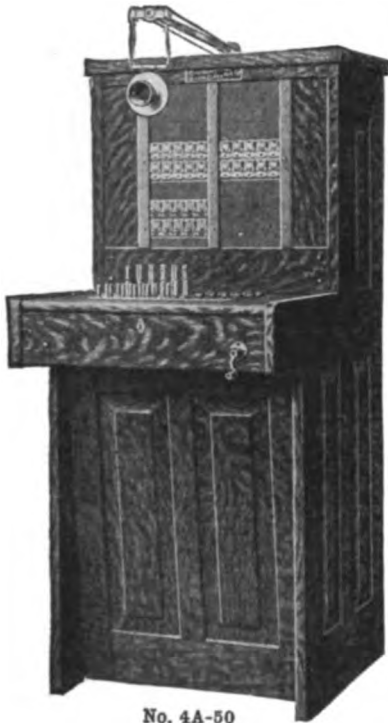


No. 5A-40 Wall Switchboard

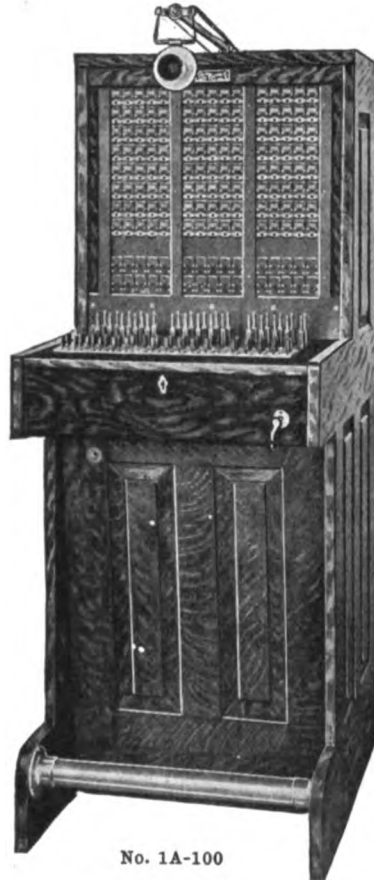
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRACRAFT-LEICH SWITCHBOARDS

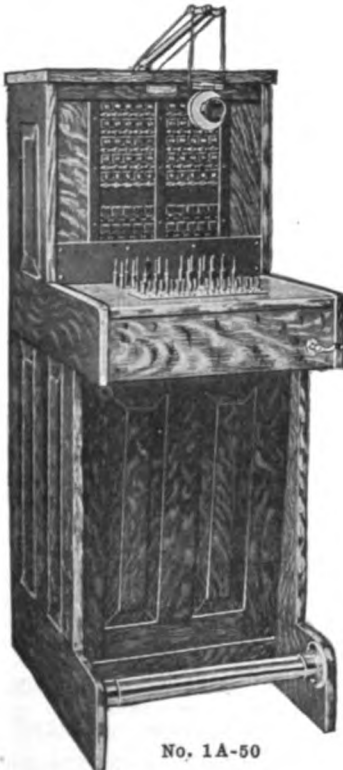
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 4A-50



No. 1A-100



No. 1A-50

FLOOR TYPE SWITCHBOARD, No. 4A-50

The No. 4A-50 type switchboard is designed for a capacity of 50 lines and 10 pairs of cords, with space for double clear out drops.

FLOOR TYPE SWITCHBOARD, No. 1A-50

The No. 1A-50 switchboard is of the same capacity as the No. 4A-50; the key shelf, however, is standard operating height.

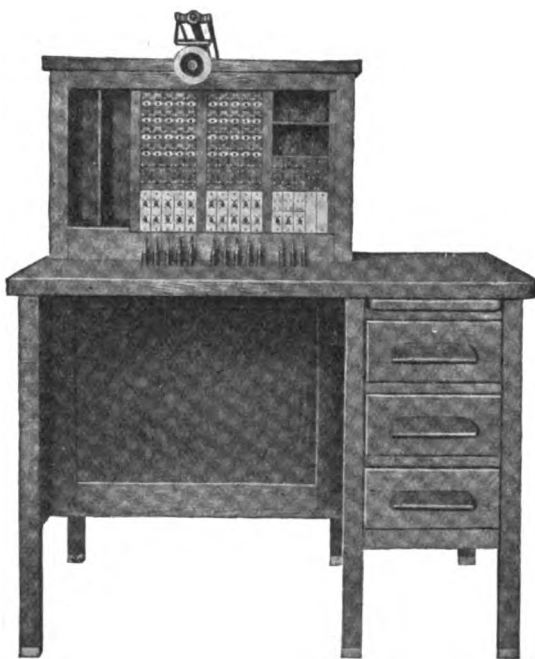
FLOOR TYPE SWITCHBOARD, No. 1A-100

The No. 1A-100 cabinet is of the same design as the 50-line cabinet, but is fully wired for 15 pairs of cords and 100-line drops with space for double clear out drops and transfer equipment. For farm line use it is often desirable to install a 100-line cabinet although the number of lines connected to the switchboard may never exceed 50 in number, on account of the additional cord pairs that can be placed in the board. As it is customary to place 10 or more telephones on a farm line, 20 lines may be sufficient for 200 or more telephones.

For an exchange in a village, including the local subscribers as well as the farm lines, requiring more than 100 lines, but where the ultimate will not exceed 200 lines within a period of five to ten years, we recommend the installation of two 100-line cabinets placed side by side.

Prices furnished on application.

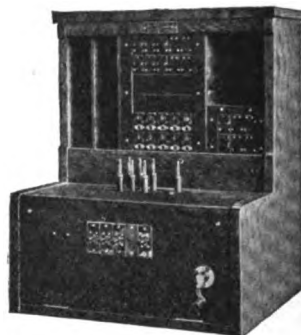
CRACRAFT-LEICH SWITCHBOARDS



No. 7A-40 Desk Type Cabinet Switchboard



No. 8A-40 Desk Type Cabinet Switchboard



No. 6A-20 Desk Type Cabinet Switchboard

DESK TYPE CABINETS

For small exchanges, magneto private branch systems or toll purposes, the three desk types here illustrated are especially adapted.

These switchboards are equipped with standard Cracraft-Leich Self Restoring Drops and combined ringing and listening keys. If the boards are to be used for private branch service a trunk circuit for making connection with the main exchange is provided. Special circuits and apparatus can be installed when toll service is to be handled.

The board illustrated as No. 6A-20 is admirably adapted for small exchanges or branch exchange work. It can be mounted on the wall or set upon a desk without alteration. It is wired for 20 drop lines, 5 cord pairs and one trunk. The operator's set is a standard desk telephone.

The No. 7A-40 is a very serviceable desk. No apparatus is mounted in or on the desk itself, except the cords and plugs, all equipment and wiring being mounted in the turret. It has an ultimate capacity for 40 lines and 10 cord pairs.

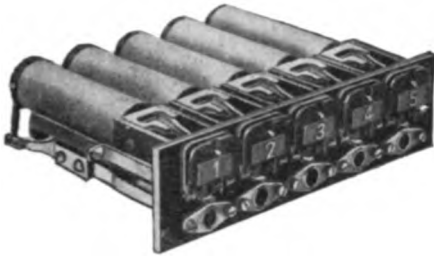
No. 8A-40 has more desk space. The equipment, wiring and capacity are the same as for No. 7A-40 desk. This board makes a fine toll board or chief operator's desk.

Large turrets can be furnished with the No. 7A or 8A type desks. These turrets can be arranged to mount up to 100 line drops, which arrangement provides a very desirable equipment for a small exchange. For wire chief or chief operator's purposes, either of these desks provided with special circuits are particularly adapted.

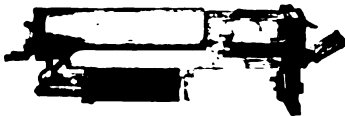
Write for detailed description and prices

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

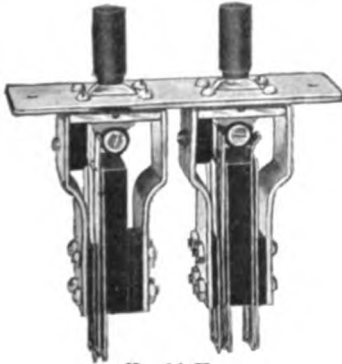
CRACRAFT-LEICH SWITCHBOARD PARTS



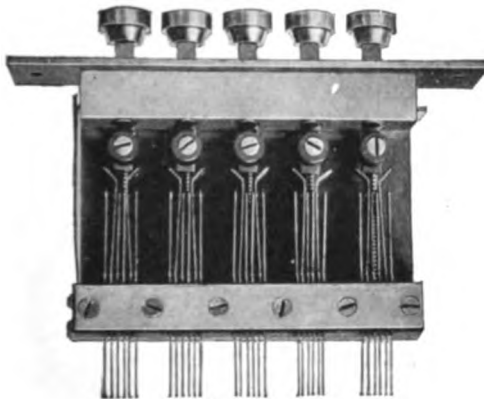
No. 1A Drop. Front View



No. 5A Electrically Restored Drop



No. 2A Key



No. 8A Master Key

DROPS

Self-restoring Drop and Jack, 5 per Strip

Trade No.	Mfrs. No.	Resistance Ohms	Price, Each— Coil only	Complete
133235	1A-100	100	\$0.80	\$3.30
133236	1A-300	300	.80	3.50
133237	1A-500	500	1.00	4.00
133238	1A-1000	1000	1.20	4.50

Clearing Out Drops, No Jack

133239	2A-500	500	1.00	3.00
133240	2A-1000	1000	1.20	3.50

Drop Parts

133241	1728	Jack ferrule	.07	
133242	1698	Drop shutter	.08	
133243	.....	Number plates	.06	

Electrical Restored Clearing Out Drops

This type of drop is now being used in practically all Cracraft-Leich boards of 150 lines or more and also in the multiple boards. The drop contains no contacts and the shutter is restored electrically by means of a No. 4A Key mounted flush on the keyboard, and wired to control a number of cord pairs. Can be used on any board and will increase the speed of operation considerably.

133251	5A-100	100	.80	3.70
133252	5A-300	300	.80	3.80
133253	5A-500	500	1.00	3.90
133254	5A-1000	1000	1.20	4.10

KEYS

Trade No.	Mfrs. No.	Description	Price Each
33054	1A	Ringing and listening, single cam.....	\$3.50
33055	1B	Generator switching, single cam.....	2.50
33056	2A	Ringing and listening and ring back key, double cam, on one escutcheon.....	5.50
33057	2B	Ringing and listening, ring back and repeating coil key, double cam, on one escutcheon.....	6.00
133244	4A	Push button key, may be used as an order wire key or with electrically restored drops, mounts on wood.....	1.00
133245	6A	Night bell key, button type. Two make contacts.....	.70
133246	..	Key handles.....	.10

Above keys are standard for Cracraft-Leich switchboards listed in this catalogue. Prices on special keys for any purpose furnished on request.

MASTER KEYS

Master keys can be furnished for any type of ringing system, with or without cam key. Master keys are very rigidly constructed, the plungers operate easily and the springs are arranged so that the contacts make positive connection. The buttons can be lettered or colored designations provided.

133247	8A	Standard 4-party, 5-button key with two make-and-break contacts per button. One button is for straight ringing.....	10.00
133248	19	8-party key, has 5 buttons and same spring arrangement as No. 8A; also one locking cam key; all mounted on one escutcheon.....	13.50
133249	20	12-party key, has 7 buttons, with two make-and-break springs for each button; also one locking cam key; all mounted on one escutcheon.....	17.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LEICH FREQUENCY CONVERTERS

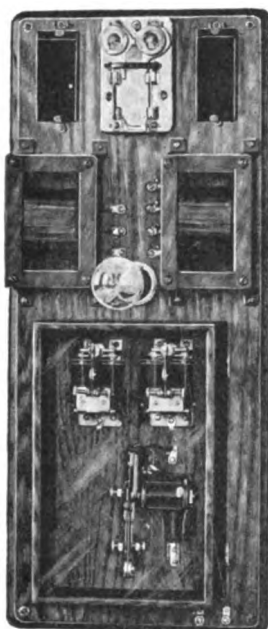
RINGING MACHINES

To Operate off Alternating or Direct Current Lighting Systems

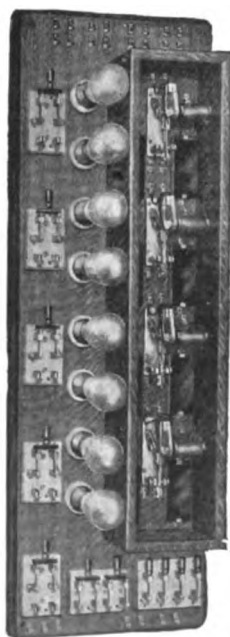
The Leich Frequency Converter offers the cheapest and most dependable ringing current where an alternating or direct current lighting circuit is available.

The power required to operate the converter is approximately 10 watts per hour while running. Does away with batteries and battery troubles. The vibrators are designed to last indefinitely and the apparatus is protected from damage by short circuit.

For 60-cycle 110-volt Alternating Current



No. 7A Frequency Converter



No. 2A Harmonic Converter

Trade No.	Mfrs. No.	Description	Price Each
133274	7A	Frequency converter, furnishes 20-cycle A. C. for straight line ringing.	\$80.00
133275	8A	Frequency converter, furnishes 20-cycle A. C. for straight line ringing. (See note*)	90.00
For 110-volt Direct Current			
133276	9A	Ringling converter, furnishes 20-cycle A. C. for straight line ringing.	60.00
133277	10A	Ringling converter, furnishes 20-cycle A. C. for straight line ringing. (See note*)	70.00
For 220-volt Direct Current			
133278	9B	Ringling converter, furnishes 20-cycle A. C. for straight line ringing.	70.00
133279	10B	Ringling converter, furnishes 20-cycle A. C. for straight line ringing. (See note*)	80.00
For Storage Battery			
133280	9C	Ringling converter, furnishes 20-cycle A. C. for straight line ringing, operates on 40-volt storage battery.	60.00
133281	10C	Ringling converter, furnishes 20-cycle A. C. for straight line ringing. (See note*)	70.00
133282	9D	Ringling converter, furnishes 20-cycle A. C. for straight line ringing, operates on 30-volt storage battery.	60.00
133283	10D	Ringling converter, furnishes 20-cycle A. C. for straight line ringing. (See note*)	70.00
For 25-cycle Alternating Current			
133284	1A	Ringling transformer, furnishes 25-cycle A. C. for straight line ringing, operates on 110 volts.	20.00
133285	1B	Same as above, operates on 220 volts. ...	24.00

*Nos. 8A, 10A, 10B, 10C and 10D also furnish positive and negative pulsating current for selective party line ringing.

RINGING MACHINES AND HARMONIC CONVERTERS

Battery Operated

Prices do not include batteries.

133286	1A	For straight ringing. Furnishes 20-cycle A. C. Operates on dry cells.	40.00
133287	1B	For straight ringing. Furnishes 20-cycle A. C. Operates on 24-volt storage battery.	70.00
133288	2A	Standard 4-party pulsating harmonic converter. For metallic ringing, duplicate set of 42 and 54-cycle vibrators. With switches and lamps.	100.00
133289	3A	Converter for 4-party metallic and straight line ringing. Has a single set of vibrators, one for 42 cycles, one for 54 cycles pulsating current harmonic ringing, and a third for alternating or straight line ringing tuned to 20 cycles. With lamps and switches. ...	85.00
133290	6A	Standard 12-party pulsating harmonic converter. Has duplicate sets of three vibrators furnishing ringing current at 30, 42 and 54 cycles. With lamps and switches.	150.00

Write for detailed description and prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TELEPHONES AND EXTENSION BELLS



No. 40 Telephone



Extension Bell



Circuit Closer in Use



Circuit Closer



Operator's Head Receiver



Watchcase Receiver



Receiver Cushions

No. 40 TELEPHONES

The No. 40 telephones are designed especially for private line battery call service. They are equipped with our standard No. 1L long distance transmitter, No. 1A bipolar receiver, self-contained switch hook and double-gong vibrating battery bell. The cabinet is of golden oak, highly finished.

Trade No.	Mfrs. No.		Price Each
38376	40	Telephone complete	\$9.00

EXTENSION BELLS

Complete in Oak Boxes

Trade No.	Ohms	Price Each	Trade No.	Ohms	Price Each
38377	80—Standard	\$3.00	38381	1600—Bridging	\$6.00
38378	160—Standard	3.50	38382	2000—Bridging	7.00
38379	500—Bridging	4.00	38383	2400—Bridging	8.00
38380	1000—Bridging	5.00	.....	.....	.....

G-D EXTENSION CIRCUIT CLOSERS

As shown in the illustration, this device fastens on the front of the magneto box. The bell clapper strikes the lever, when the telephone rings, and raises the latch, thus releasing the shutter. This closes the extension battery call bell circuit until the shutter is restored by hand. The small switch at the bottom may be used to open the extension circuit, so that the extension bell will not ring when the shutter falls, if so desired.

Trade No.	Description	Price Each
38414	G-D Circuit Closer.....	\$1.80

OPERATORS' HEAD RECEIVERS

In general construction this receiver is the same as the watchcase type. It is fitted with a leather covered steel headband, which is pivoted to the receiver case and is self-adjusting to the operator's head. Wound to 30 and 80 ohms. In ordering, state resistance desired.

Composition, with Headband, No Cord

Trade No.	Mfrs. No.	Shell Inside Depth, Inches	Price Each
38387	60 -202c	$\frac{9}{16}$	\$3.00

Hard Rubber, with Headband, No Cord

38388	5 -202c	$\frac{1}{2}$	4.00
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Hard Rubber, with Headband, No Cord, Three-way

38389	5 $\frac{1}{2}$ -202c	$\frac{1}{2}$	4.50
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Allowance for headband if not required with any of above, \$1.00.

WATCHCASE RECEIVERS

The working parts of these receivers are mounted in aluminum cups independent of the shell. By this method greater mechanical strength and permanent adjustment is obtained. The magnets are laminated, semi-circular in form and will retain their strength permanently. These receivers are fully as efficient as the standard bipolar type, wound to 30 and 80 ohms. In ordering, state resistance desired.

Composition, with Hook, No Cord

38384	50 -202c	$\frac{9}{16}$	2.50
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Hard Rubber, with Hook, No Cord

38385	3 -202c	$\frac{1}{2}$	3.00
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Hard Rubber, with Hook, No Cord, Three-way

38386	3 $\frac{1}{2}$ -202c	$\frac{1}{2}$	2.90
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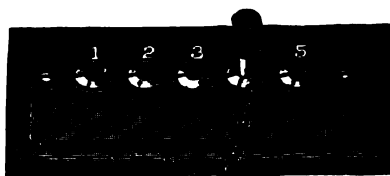
RECEIVER CUSHIONS

These cushions fit over that portion of the receiver which comes in contact with the ear, and are much softer and more comfortable than the bare, hard shell, and shut out all external noises. They may be instantly attached or removed.

38390	10 -202c	Single cushion	1.20
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

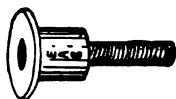
TELEPHONE ACCESSORIES



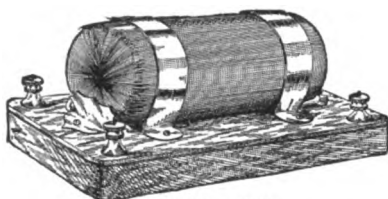
Plug Switch



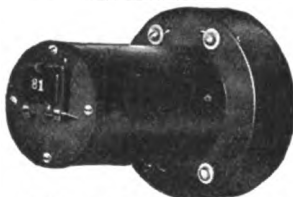
Plug



Socket



Repeating Coil



Automatic Telephone Drop



Male Mouthpiece

Induction Coil
With ClipsInduction Coil
With Lead Wires

SPECIAL PLUG SWITCHES

For Intercommunicating Telephones

These plug switches are designed for use in the operation of interior exchanges or telephone systems for offices, factories, etc., where it is desired to be able to call any one on the system directly from each instrument without the use of a central office of any kind. They are by far the best switches on the market for this purpose. The plug is tapered and split, making the contact perfect and sure. These switches overcome the difficulty experienced from the use of circular lever switches, in which the lever soon becomes loose and either falls down or fails to make a contact with the contact button.

They are made regularly in from 3 to 15 numbers, but can be furnished in larger sizes if desired. One plug furnished with each switch.

Trade No.	Description	Price Each
38351	5-number plug.....	\$1.50
38352	10-number plug.....	3.00
38353	15-number plug.....	4.50
38354	Plug with 9 inches of cord connected.....	.50
38355	Plug only.....	.30
38356	Socket only, with two brass nuts and one copper washer.....	.16

REPEATING COILS

These repeating coils, or telephone transformers, are correct in design. The magnetic circuit is complete without air gap. The iron is laminated, and, while enough of it is used to carry the magnetic lines generated, there is no excess of iron to add impedance to the talking circuit. After the coils are wound they are boiled in paraffine and allowed to become cold, after which hot paraffine is poured over them.

38357	Repeating coil.....	7.00
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AUTOMATIC TELEPHONE DROPS

These are the regular shutter style of telephone drop for indicating a call and closing a secondary circuit if desired.

38358	100 ohms.....	3.00
38359	1000 ohms.....	3.50

Special windings to order.

TELEPHONE MOUTHPIECES

This is the regular style or composition mouthpiece with standard thread. They are made in two styles; one with male thread, the other with female thread.

38360	With male thread.....	.10
38361	With female thread.....	.10

We can furnish mouthpieces for any make of transmitter. Prices on application.

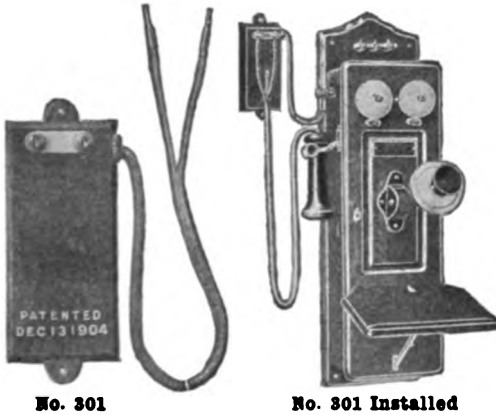
INDUCTION COILS

The 150 and 250-ohm induction coils are $3\frac{1}{2}$ inches long over all and have 1-inch fiber heads. Coils of other resistances furnished to order.

38362	Long coils, 500 ohms.....	1.35
38363	100 ohms, $3\frac{1}{2}$ -inch, special, with lead wires, fiber head.....	.84
38364	150 ohms, $3\frac{1}{2}$ -inch, special, with clips and fiber head.....	.90
38365	250 ohms, $3\frac{1}{2}$ -inch, special, with clips and fiber head.....	1.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CRESCO TELEPHONE CONDENSERS AND FUSE TESTERS



No. 301

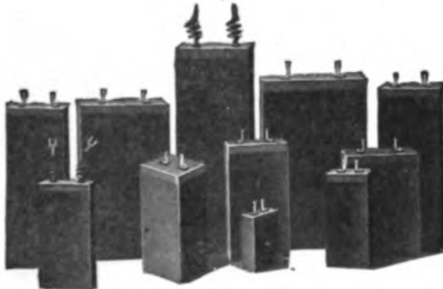
No. 301 Installed



No. 300



No. 300 Installed



Mansbridge Condenser



Addie Fuse Tester

RING-THRU CONDENSERS

The Cresco Ring-Thru Condenser No. 301 consists of a $\frac{1}{2}$ -M. F. condenser mounted in a black enameled iron case having two binding posts on the front to which to connect receiver cords. A cord comes out of the side, fitted with tips, which connect to the binding posts on the telephone. Very simple to install and guaranteed to make party lines talk up regardless of the number of receivers off the hooks, enabling you to call central past all of them.

Trade No.	Mfrs. No.	Price Each
34634	301	Ring-Thru Condenser \$1.40

The Cresco Ring-Thru Condenser No. 300 is the same as the No. 301, except that it is fitted with wires instead of cords and is designed for use on side of backboard where the receiver cord binding posts are situated on lower edge of bell box. Can also be used on the side of telephone.

34635	300	Ring-Thru Condenser 1.40
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MANSBRIDGE STANDARD TIN CASE CONDENSERS

Trade No.	Mfrs. No.	Resistance M. F.	Dimensions Inches	Price Each
34636	310	$\frac{1}{4}$	$\frac{1}{2} \times 1\frac{1}{4} \times 3\frac{1}{2}$	\$0.50
34637	311	$\frac{1}{4}$	$\frac{1}{2} \times 1\frac{1}{4} \times 4\frac{1}{2}$	.50
34638	312	$\frac{1}{4}$	$\frac{3}{8} \times 2\frac{1}{2} \times 4\frac{1}{2}$	.50
34639	313	$\frac{1}{4}$	$\frac{3}{4} \times 1\frac{1}{4} \times 2\frac{1}{2}$	.54
34640	320	$\frac{1}{2}$	$\frac{3}{8} \times 2\frac{1}{2} \times 4\frac{1}{2}$	.50
34641	321	$\frac{1}{2}$	$\frac{1}{2} \times 1\frac{1}{4} \times 4\frac{1}{2}$	.50
34642	322	$\frac{1}{2}$	$\frac{1}{2} \times 1\frac{1}{4} \times 4$	.50
34643	323	$\frac{1}{2}$	$\frac{3}{4} \times 1\frac{1}{4} \times 2\frac{1}{2}$	.54
34644	330	1	$\frac{1}{2} \times 2\frac{1}{2} \times 4\frac{1}{2}$	.80
34645	331	1	$\frac{1}{2} \times 2\frac{1}{2} \times 4\frac{1}{2}$	.80
34646	332	1	$\frac{1}{2} \times 1\frac{1}{4} \times 4\frac{1}{2}$	.80
34647	333	1	$\frac{3}{4} \times 2 \times 4\frac{1}{2}$	.80
34648	340	$1\frac{1}{2}$	$\frac{3}{4} \times 3 \times 4\frac{1}{2}$	1.10
34649	350	2	$\frac{3}{4} \times 3 \times 4\frac{1}{2}$	1.20
34650	351	2	$\frac{1}{2} \times 3\frac{1}{4} \times 4\frac{1}{2}$	1.20
34651	352	2	$\frac{5}{8} \times 3\frac{1}{2} \times 6\frac{1}{2}$	1.20
34652	353	2	$\frac{5}{8} \times 4\frac{1}{8} \times 4\frac{1}{2}$	1.20
34653	354	2	1 $\times 2 \times 4\frac{1}{2}$	1.20
34654	355	2	$\frac{3}{4} \times 2 \times 4\frac{1}{2}$	1.20
34655	356	2	$\frac{1}{2} \times 2\frac{1}{4} \times 4\frac{1}{2}$	1.20
34656	357	2	$\frac{3}{4} \times 2\frac{1}{8} \times 3\frac{3}{8}$	1.20
34657	370	3	$\frac{7}{8} \times 3\frac{1}{4} \times 4\frac{1}{2}$	1.70
34658	371	3	$\frac{3}{4} \times 3 \times 4\frac{1}{2}$	1.70
34659	372	3	$\frac{5}{8} \times 3\frac{1}{2} \times 6\frac{1}{2}$	1.70

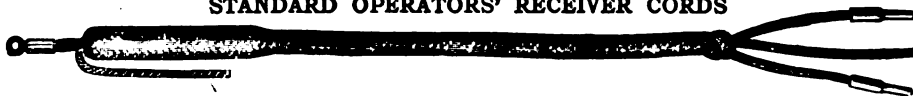
ADDIE FUSE TESTERS

These fuse testers will test any size fuse. They give a clear positive buzz on a good fuse and no sound at all on a fuse that is blown.

From one end of the handle extends 6-foot silk cord, which is connected to a single cell of dry battery. At the other end of the nickel-plated handle are two nickel-plated fingers. The fingers are insulated from the handle and connected to the two conductors of the cord. The fingers are also pivoted and fold back on the handle or spread to any size fuse. In the broad part of the handle and in series with the batteries and fingers is a buzzer which operates when the circuit is closed between the fingers.

Trade No.	Length Inches	Weight Ounces	Price Each
34661	7 $\frac{1}{2}$	4 $\frac{1}{2}$	\$3.30

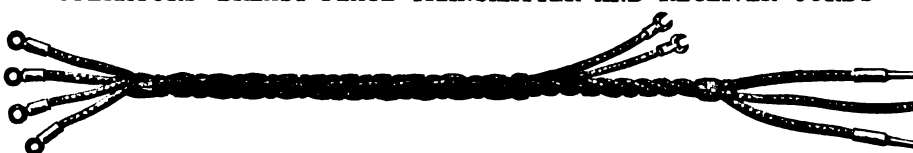
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

R-L OPERATORS' CORDS**STANDARD OPERATORS' RECEIVER CORDS**

The two conductors are composed of a number of strands of copper tinsel, twisted into a flexible cable and each is insulated with two braided coverings besides the outer braid, insuring against crosses and short circuits. One end is equipped with solid tips and stay cord and the other end is wrapped with fine copper wire, re-enforced to fit plugs.

Trade No.	Mfrs. No.	No. of Conductors	Length, Feet	Style Cover	Price, Each
33324	45	2	5	Spun silk	\$0.60
33325	46	2	6	Spun silk	.70

NOTE.—In ordering, specify style of plug end or mention make of switchboard.

OPERATORS' BREAST PLATE TRANSMITTER AND RECEIVER CORDS

Conductors composed of copper tinsel insulated with serving of Tussah silk and braid. External braid, green spun machine silk thread. Furnished with terminals for any type switchboard. Standard 6-foot lengths carried in stock. Other lengths to order.

33326	30	4	6	Spun silk	1.50
33327	31	5	6	Spun silk	1.70

STANDARD TRANSMITTER CORDAGE

Single conductor composed of 16 strands of No. 34 copper wire, insulated with a double serving of cotton applied in reverse directions and one green outside braid.

Trade No.	Mfrs. No.	Outer Braid	Color	Price, per Yd.
33328	70	Plain cotton	Green	\$0.05
33329	71	Mercerized cotton	Green	.06
33330	72	Spun silk	Green	.07

This cordage may be furnished equipped with terminals shown on another page.

EXTRA LIGHT OPERATORS' RECEIVER CORDS

Two-conductor type; each conductor composed of strands of copper tinsel twisted into a flexible cable and insulated with a braid of Tussah silk and an outer braid of green Japan tram floss silk or green spun machine silk. The two conductors are twisted together.

This cord is extra light, very substantial and durable, trimmed with solid tips for receiver end and terminals for plug end. Standard 6-foot lengths carried in stock.

Trade No.	Mfrs. No.	No. of Conductors	Length, Feet	Cover	Price, Each
33331	50	2	6	Floss silk	\$0.24
33332	51	2	6	Spun silk	.18

In ordering, specify style of plug end (see illustrations on following page), or mention make of switchboard. Furnished in continuous lengths.

Trade No.	Mfrs. No.	No. of Conductors	Cover	Color	Price, per Yd.
33333	52	2	Floss silk	Green	\$0.11
33334	53	2	Spun silk	Green	.08

STANDARD OPERATORS' TRANSMITTER CORDAGE

A single flexible conductor composed of 18 strands copper tinsel and 3 strands No. 34 copper wire twisted together. Nine strands of linen thread are laid parallel to obtain the necessary tensile strength, and the whole is insulated with two braided coverings.

Trade No.	Mfrs. No.	Outer Braid	Color	Price, per Yd.
33335	60	Plain cotton	Green	\$0.06
33336	61	Mercerized cotton	Green	.07
33337	62	Spun silk	Green	.09

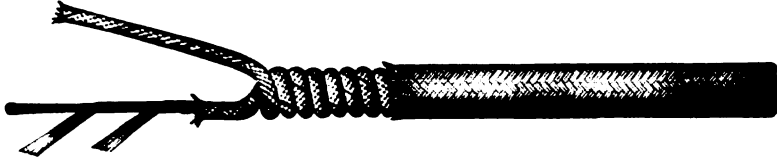
The above cordage is carried in stock in 6-foot lengths, finished with solid tip on one end and spade clip on other.

Trade No.	Mfrs. No.	Outer Braid	Color	Length, Feet	Price, Each
33338	63	Plain cotton	Green	6	\$0.14
33339	64	Mercerized cotton	Green	6	.16
33340	65	Spun silk	Green	6	.20

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

R-L SWITCHBOARD CORDS**PREMIER B B STEEL CONDUCTOR SWITCHBOARD CORD**

(COVERED BY U. S. LETTERS PATENT)



"Cord trouble" is a term familiar to all exchange managers, and in designing our Premier B B Steel Switchboard Cord a careful study was made to determine the features which a good cord should have. The result is that our Premier B B Cord shows the longest life in actual test as well as in comparative tests.

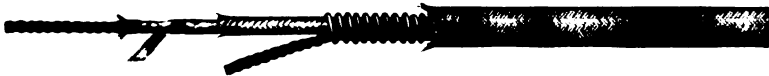
The conductor consists of a specially prepared high tension steel wire, very flexible and durable. A winding of copper wire is applied directly over the steel wire. The advantages derived are increased conductivity, resistance reduced to a minimum and the conductor is virtually a solid metal.

Each conductor has a triple insulation. Both conductors are formed into a concentric spiral. The re-enforcement spring is made of steel wire and insulated with silk braid. The spring is inserted in the hollow of the cord at plug end for the purpose of doubly re-enforcing the cord at the end that is subject to the greatest usage. The spring is inserted in a manner that prevents the conductors from being thrown out of alignment, making it almost impossible to break the cord at the plug end, regardless of how the operator may insert or jam it into the switchboard jacks.

Applied over the spiral is a braiding of cotton on the longitudinal effect for the purpose of taking up any possible stretch in the cord and also for the purpose of adding to the general tensile strength, it frequently occurring that the cord is subject to considerable strain, due to the weight of the pulleys when drawing the cord to its original position.

Overall braid consists of special, waxed linen thread. A double braid is applied at plug end, forming a re-enforcement and protection against perspiration from the operator's hand.

Trade No.	No. Conductors	Length Feet	Price Each	Trade No.	No. Conductors	Length Feet	Price Each
33292	2	5	\$0.90	33296	3	5	\$1.10
33293	2	6	1.00	33297	3	6	1.30
33294	2	7	1.10	33298	3	7	1.50
33295	2	8	1.20	33299	3	8	1.70

TINSEL CONDUCTOR SWITCHBOARD CORD

Construction consists of a conductor of heavy copper tinsel insulated with a serving of Tussah silk and cotton and covered with a braiding of linen. One conductor of this form and a bare conductor are incased in a spring brass wire helix. The overall braid is of the very best quality of glazed cotton thread.

33300	2	5	.60	33304	3	5	.90
33301	2	6	.70	33305	3	6	1.00
33302	2	7	.80	33306	3	7	1.10
33303	2	8	.90	33307	3	8	1.20

STEEL CONDUCTOR SWITCHBOARD CORD

The core consists of a number of strands of linen thread twisted together. Applied next to the core is a braid of copper tinsel, together with a steel wire spiral, forming the first, or tip, conductor. The conductor is covered with three insulations, a Tussah silk wrap, a Tussah silk braid and a linen braid. Over this is applied a second braid of copper tinsel together with a steel wire spiral forming the second or sleeve conductor. The second conductor is covered with two insulations, first a heavy braid of Tussah silk and external braid of specially prepared, hard finish, glazed cotton. The cord is doubly re-enforced at plug end for 18 inches.

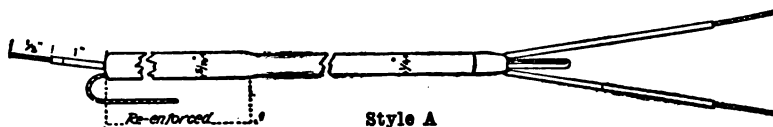
33308	2	5	.72	33312	3	5	.99
33309	2	6	.81	33313	3	6	1.08
33310	2	7	.90	33314	3	7	1.17
33311	2	8	.99	33315	3	8	1.26

We furnish these cords to fit any size or make of plug in five colors: White, brown, slate, green or red. In ordering, specify style wanted or make of switchboard.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

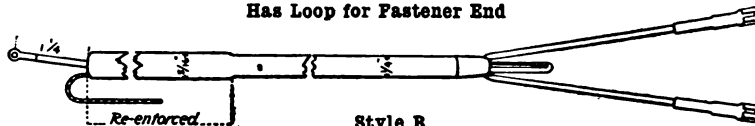
R-L SWITCHBOARD CORDS

SHOWING FINISH OF SWITCHBOARD CORDS TO FIT ALL STYLES
OF STANDARD PLUGS AND CONNECTOR RACKS



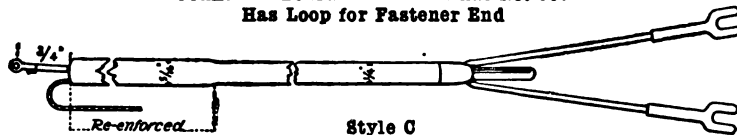
Style A

Connector Plug End—Tip, Bare Wire; Sleeve, Bare Wire
Connector Board End—Bare Wire
Has Loop for Fastener End



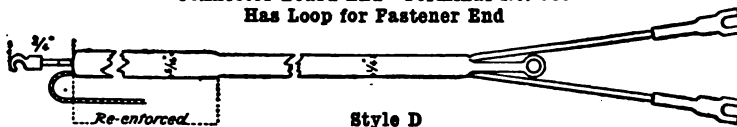
Style B

Connector Plug End—Tip, Piece No. 522; Sleeve, Bare Wire
Connector Board End—Terminal No. 507
Has Loop for Fastener End



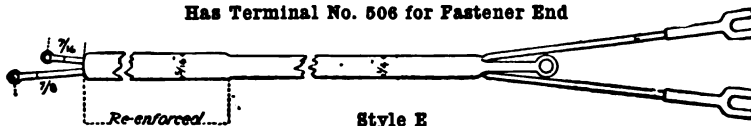
Style C

Connector Plug End—Tip, Piece No. 522; Sleeve, Bare Wire
Connector Board End—Terminal No. 503
Has Loop for Fastener End



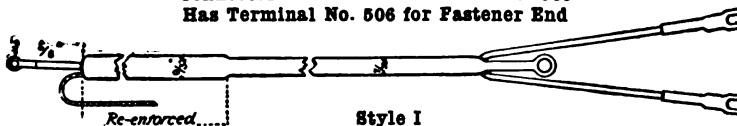
Style D

Connector Plug End—Tip, Piece No. 527; Sleeve, Bare Wire
Connector Board End—Terminal No. 500
Has Terminal No. 506 for Fastener End



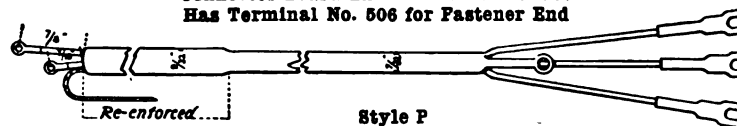
Style E

Connector Plug End—Tip, Piece No. 522; Sleeve, Piece No. 522
Connector Board End—Terminal No. 503
Has Terminal No. 506 for Fastener End



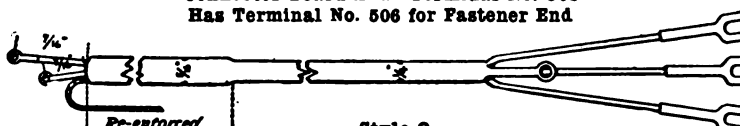
Style I

Connector Plug End—Tip, Piece No. 521; Sleeve, Bare Wire
Connector Board End—Terminal No. 500
Has Terminal No. 506 for Fastener End



Style P

Connector Plug End—Tip and Ring, Piece No. 521; Sleeve, Bare Wire
Connector Board End—Terminal No. 500
Has Terminal No. 506 for Fastener End



Style Q

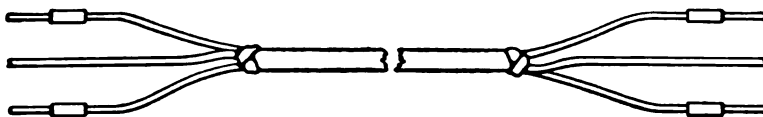
Connector Plug End—Tip and Ring, Piece No. 521; Sleeve, Bare Wire
Connector Board End—Terminal No. 503
Has Terminal No. 506 for Fastener End

Note.—In Ordering Switchboard Cords, Specify Style Wanted According to Above Illustrations

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

R-L RECEIVER CORDS

STANDARD TELEPHONE RECEIVER CORD



Receiver cords of standard construction with terminals to fit all standard types of receivers are carried in stock.

The conductors are composed of 18 strands tinsel and 3 No. 36 copper wires twisted into a flexible cable.

Each conductor is insulated with two braids to insure against crosses and short circuits. Both conductors enclosed in green braid. Terminals are soldered to stay on.

Furnished in four styles of braid: Plain cotton, worsted, mercerized cotton and silk.

Maroon and Black Braid

Trade No.	Mfrs. No.	Length Inches	Braid	Price Each
33351	21	30	Plain cotton	\$0.15
33352	23	30	Mercerized cotton	.16
33353	25	30	Worsted	.18
33354	27	30	Spun silk	.24
33355	22	36	Plain cotton	.17
33356	24	36	Mercerized cotton	.18
33357	26	36	Worsted	.20
33358	28	36	Spun silk	.28

Green Braid

33359	121	30	Plain cotton	.15
33360	123	30	Mercerized cotton	.16
33361	125	30	Worsted	.18
33362	127	30	Spun silk	.24
33363	122	36	Plain cotton	.17
33364	124	36	Mercerized cotton	.18
33365	126	36	Worsted	.20
33366	128	36	Spun silk	.28

MOISTURE-PROOF RECEIVER CORDS

Made to Withstand Any Climate

The individual conductors are insulated with a wrapping of wool yarn. The conductors are then treated by being thoroughly impregnated with a waterproof preparation. The treated conductors are then completed in the regular manner.

NOTE.—These cords are furnished in green spun silk only.

Trade No.	Mfrs. No.	No. of Conductors	Length Inches	Braid	Price Each
33367	M-127	2	30	Spun silk	\$0.32
33368	M-128	2	36	Spun silk	.40

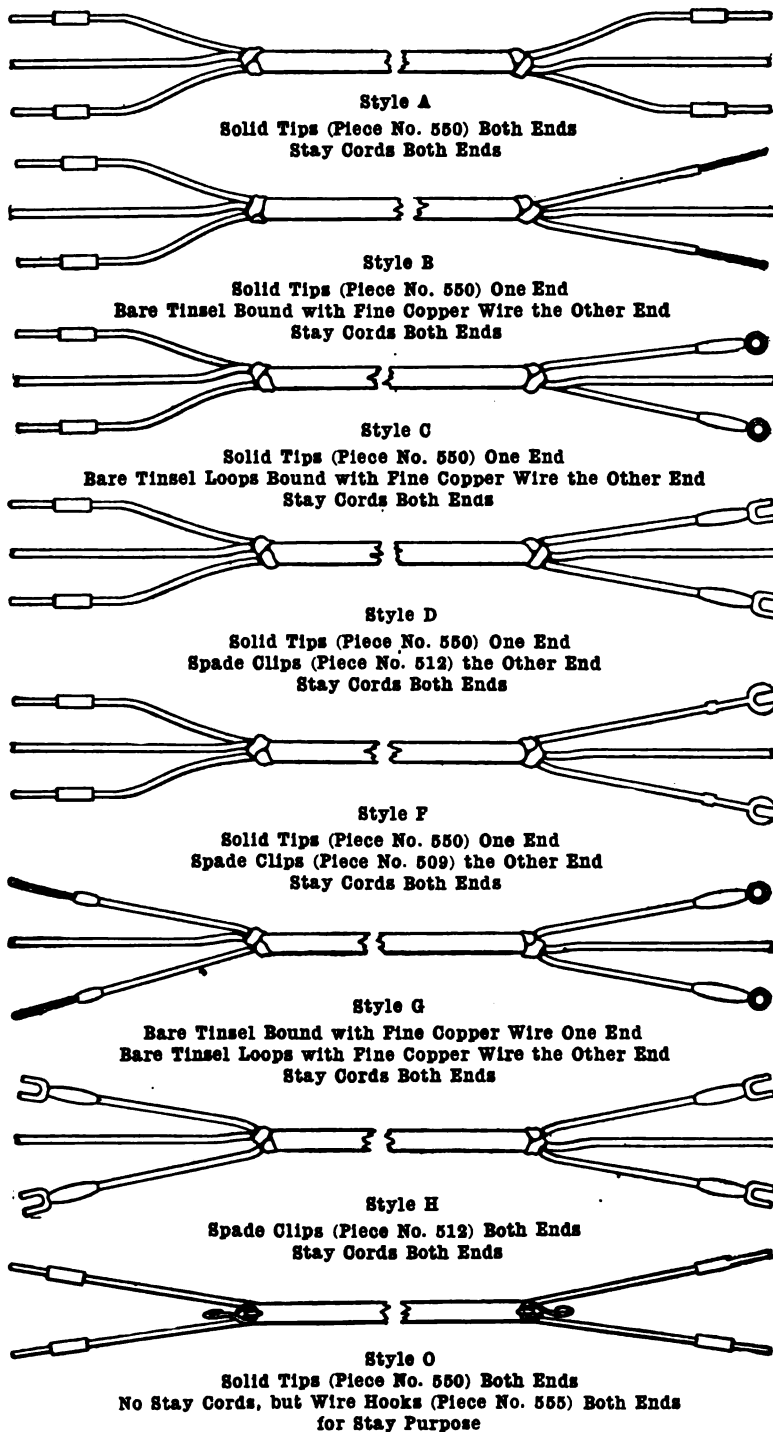
Order by Trade No. type of cord desired, but to insure that the correct type cords will be furnished, specify that cords are to be moisture-proof.

See following page, describing finish of cords.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

R-L RECEIVER CORDS

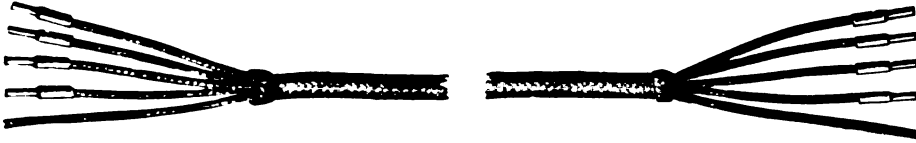
SHOWING FINISH STANDARD RECEIVER CORDS



IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

R-L DESK TELEPHONE CORDS

DESK TELEPHONE CORDS



The conductors are composed of 18 strands tinsel and 3 No. 36 copper wires twisted into a flexible cable. Each conductor is insulated with two braids to insure against crosses and short circuits. Conductors are cabled without twist in the individual conductors, making cable very flexible. Cords constructed in this manner will not kink, twist or tangle. Terminals are soldered to stay on.

Trade No.	Mfrs. No.	No. of Conductors	Length Feet	Braid	Price Each
33380	130	2	5	Mercerized cotton	\$0.36
33381	131	2	6	Mercerized cotton	.40
33382	132	2	5	Spun silk	.44
33383	133	2	6	Spun silk	.50
33384	134	3	6	Mercerized cotton	.56
33385	135	3	6	Spun silk	.64
33386	136	4	6	Mercerized cotton	.68
33387	137	4	6	Spun silk	.80
33388	138	5	6	Mercerized cotton	.84
33389	139	5	6	Spun silk	.96

MOISTURE-PROOF DESK TELEPHONE CORDS

Made to Withstand Any Climate

The individual conductors are insulated with a wrapping of wool yarn. The conductors are then treated by being thoroughly impregnated with a waterproof preparation. The treated conductors are then completed in the regular manner.

NOTE.—These cords are furnished in green spun silk only.

Trade No.	Mfrs. No.	No. of Conductors	Length Feet	Braid	Price Each
33390	M-132	2	5	Spun silk	\$0.53
33391	M-133	2	6	Spun silk	.60
33392	M-135	3	6	Spun silk	.77
33393	M-137	4	6	Spun silk	.96
33394	M-139	5	6	Spun silk	1.20

Order by Trade No. type of cord desired, but to insure that the correct type cords will be furnished, specify that cords are to be moisture-proof.

See following page describing trim of cords.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

R-L TINSEL AND COPPER CORDS

FOR TELEPHONES, DESK AND TABLE PUSH BUTTONS, MEDICAL BATTERIES AND
ALL ELECTRICAL APPARATUS

INSULATED TINSEL CORDAGE

Single Conductor

Consisting of 16 strands of copper tinsel, twisted together into a 3-cord flexible rope, measuring approximately $8\frac{3}{100}$ ohms per yard. Insulated with plain cotton inner braid and outer braid of cotton or silk.

Trade No.	Mfrs. No.	Outer Braid	Color	Price per Yd.
33401	305	Plain cotton	Green	\$0. 06
33402	306	Mercerized cotton	Green	. 07
33403	307	Worsted	Maroon and black	.075
33404	308	Spun silk	Green	. 09

Multiple Conductor

Each conductor is insulated with two braided coverings and incased in outer braid, as described below.

Trade No.	Mfrs. No.	Outer Braid	Color	No. of Conductors	Price per Yd.
33405	309	Plain cotton	Green	2	\$0.09
33406	310	Mercerized cotton	Green	2	.12
33407	311	Spun silk	Green	2	.18
33408	312	Mercerized cotton	Green	3	.16
33409	313	Spun silk	Green	3	.22
33410	314	Mercerized cotton	Green	4	.21
33411	315	Spun silk	Green	4	.28
33412	316	Mercerized cotton	Green	5	.26
33413	317	Spun silk	Green	5	.36
33414	309A	Worsted	Maroon and black	2	.17

Cords similar to those described above may be furnished with any number of conductors, cut to lengths and trimmed with any style of terminal shown on the following page.

INSULATED STRANDED COPPER CORDAGE

Single Conductor

Consisting of 16 strands of No. 33 B. & S. gauge soft copper wire twisted together, equal in conductivity to No. 21 B. & S. gauge copper wire. Insulated with plain cotton inner braid and outer braid of cotton or silk.

Trade No.	Mfrs. No.	Outer Braid	Color	Price per Yd.
33415	501B	Plain cotton	Green	\$0.04
33416	501A	Mercerized cotton	Green	.05
33417	501C	Worsted	Maroon and black	.06
33418	501	Spun silk	Green	.09

Multiple Conductor

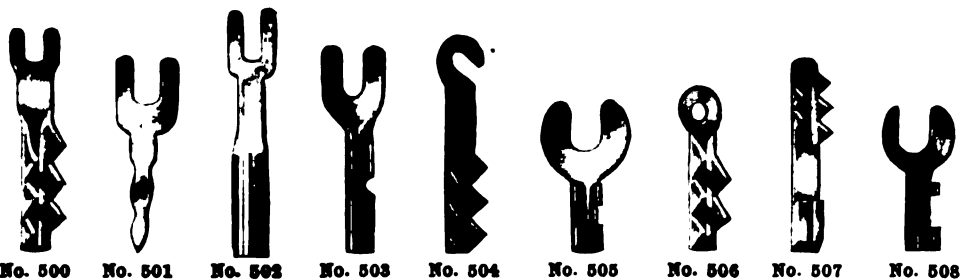
Each conductor insulated with two braided coverings and incased in outer braid, as described below.

Trade No.	Mfrs. No.	Outer Braid	Color	No. of Conductors	Price per Yd.
33419	502B	Plain cotton	Green	2	\$0.09
33420	502A	Mercerized cotton	Green	2	.12
33421	502	Spun silk	Green	2	.18
33422	503A	Mercerized cotton	Green	3	.16
33423	503	Spun silk	Green	3	.24
33424	504A	Mercerized cotton	Green	4	.21
33425	504	Spun silk	Green	4	.30
33426	505A	Mercerized cotton	Green	5	.27
33427	505	Spun silk	Green	5	.36
33428	502C	Worsted	Maroon and black	2	.12

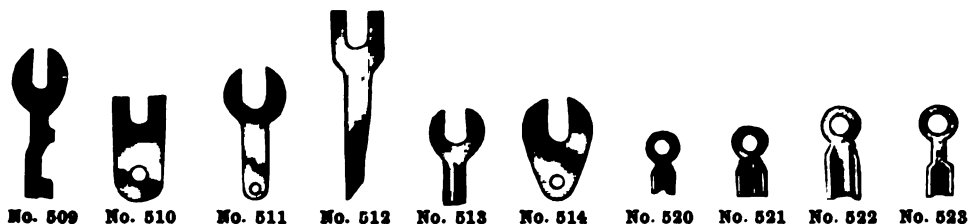
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

R-L CORD TERMINALS

Illustrations Actual Sizes



Trade No.	Mfrs. No.		Price per 100
33439	500	Switchboard cord for connector end.....	\$0.90
33440	501	Switchboard cord for connector end.....	.70
33441	502	Switchboard cord for connector end.....	1.70
33442	503	Switchboard cord for connector end.....	1.30
33443	504	Switchboard cord for connector end.....	.90
33444	505	Spade clip for desk telephone cord.....	1.30
33445	506	Switchboard cord for fastening end.....	.90
33446	507	Switchboard cord for connector end.....	1.20
33447	508	Spade clip for desk telephone cord.....	1.20



Trade No.	Mfrs. No.		Price per 100
33448	509	Spade clip for receiver cord.....	\$1.00
33449	510	Spade clip for desk telephone cord.....	.60
33450	511	Spade clip for desk telephone cord.....	.70
33451	512	Spade clip for receiver cord.....	.50
33452	513	Spade clip for receiver cord.....	.70
33453	514	Spade clip for desk telephone cord.....	.80
33454	520	Clip for switchboard cord plug end.....	.40
33455	521	Clip for switchboard cord plug end.....	.40
33456	522	Clip for switchboard cord plug end.....	.50
33457	523	Clip for switchboard cord plug end.....	.50

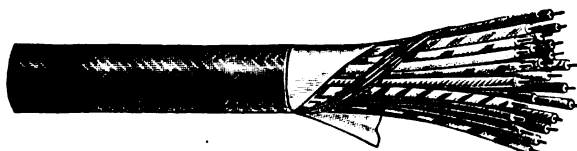


Trade No.	Mfrs. No.		Price per 100
33458	524	Clip for switchboard cord plug end.....	\$0.40
33459	525	Clip for switchboard cord plug end.....	.40
33460	526	Metal lug for switchboard cord plug end.....	.30
33461	527	Clip for switchboard cord plug end.....	.60
33462	528	Clip for switchboard cord plug end.....	.60
33463	550	Solid tip for receiver cords.....	.80
33464	551	Two-piece tip for receiver cords.....	.70
33465	555	Wire hook for receiver and desk telephone cords.....	.70

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COUCH TELEPHONE CABLES

FOR INTERIOR TELEPHONE SYSTEMS



Braided

Cables with prefix "W" are made up of wires specified, wound in spiral form, conductors saturated with moisture-retarding compound, then covered with a layer of friction tape and over this tape a heavy weatherproof outer casing. The rubber covered wires are not coded but the double cotton covered indication lines have a color code to facilitate testing. While these cables are designed primarily for factory telephone systems, they can be installed in conduit, providing no moisture exists. Slight moisture in the cable will not cause leakage on the battery, as conductors feeding current to instruments have rubber insulation.

Trade No.	Code No.	No. of Cond.	Description	Outside Diam., In.	Price per Ft.
58068	W- 8	8	2 No. 18 rubber covered, 6 No. 20 tinned dbl. cotton covered	$\frac{3}{8}$	\$0.08
58069	W-12	12	2 No. 18 rubber covered, 10 No. 20 tinned dbl. cotton covered	$\frac{3}{8}$	.09 $\frac{1}{2}$
58070	W-15	15	4 No. 18 rubber covered, 11 No. 20 tinned dbl. cotton covered	$\frac{7}{8}$	.12
58071	W-21	21	4 No. 16 rubber covered, 17 No. 20 tinned dbl. cotton covered	$\frac{1}{2}$	.18
58072	W-25	25	4 No. 16 rubber covered, 21 No. 20 tinned dbl. cotton covered	$\frac{9}{8}$	.20

The above cables are not made with lead outer casing.

Braided and Lead Covered

The cables listed below are identical in construction, except as to outer casing.

Cables with prefix "B" have an outer cotton braid saturated in drab underwriters' paint. Those with prefix "L" have a lead casing of proper thickness. All cables up to and including 31 conductors have No. 18 tinned battery wires and No. 22 tinned section lines. All conductors have one insulation of silk and one of cotton. Core of cable is saturated in beeswax compound, then outer sheath applied. All wires in the cables have a color code to facilitate testing.

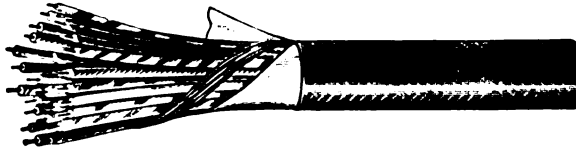
58073	B- 8	8	3 No. 18 and 5 No. 22 wires.....	$\frac{1}{4}$	.054
58074	L- 8	8	Same as above, but having lead sheath.....	$\frac{3}{8}$	.095
58075	B-12	12	3 No. 18 and 9 No. 22 wires.....	$\frac{3}{8}$	.085
58076	L-12	12	Same as above, but having lead sheath.....	$\frac{1}{2}$	.14
58077	B-15	15	4 No. 18 and 11 No. 22 wires.....	$\frac{3}{8}$	.09
58078	L-15	15	Same as above, but having lead sheath.....	$\frac{1}{2}$	.165
58079	B-21	21	4 No. 18 and 17 No. 22 wires.....	$\frac{3}{8}$	.11
58080	L-21	21	Same as above, but having lead sheath.....	$\frac{1}{2}$	.19
58081	B-25	25	2 pair No. 18, 10 pair No. 22 and 1 single No. 22 conductor...	$\frac{1}{2}$	.135
58082	L-25	25	Same as above, but having lead sheath.....	$\frac{1}{2}$	.21
58083	B-31	31	2 pair No. 18, 13 pair No. 22 and 1 single No. 22 conductor...	$\frac{1}{2}$	.135
58084	L-31	31	Same as above, but having lead sheath.....	$\frac{1}{2}$	.21
58085	B-36	36	2 pair No. 16 and 16 pair No. 22 conductors.....	$\frac{7}{8}$	.21
58086	L-36	36	Same as above, but having lead sheath.....	$\frac{1}{2}$	.29

Write for Prices on Larger Sized Cables

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

R-L CABLES

INSULATED TELEPHONE SWITCHBOARD CABLE



The wires are tinned copper thoroughly annealed and cleansed of all acids and foreign matter tending toward corrosion. Insulation consists of silk and cotton. These insulations are applied in forms of wraps and there are the following recognized combinations: One silk and one cotton wrap; one silk and two cotton wrap; two silk and one cotton wrap.

A color scheme is followed in the outer or cotton insulation.

The wires are twisted in pairs and formed spirally into a cable and the whole covered with two reverse wrappings of dry manila paper. Cables are covered with a cotton braiding and saturated with drab Underwriters' paint. Can also be furnished with a red and white cotton braid saturated with wax compound and polished. We list below the No. 22 gauge cable, this being the regular recognized standard style in three standard styles of insulation and the standard number of conductors.

No. 22 B. & S. Gauge

No. Pairs Conductors	One Silk, One Cotton			Two Silk, One Cotton		
	Trade No.	Mfrs. No.	Price per 100 Ft.	Trade No.	Mfrs. No.	Price per 100 Ft.
5	33492	1	\$4.50	33510	21	\$5.50
11	33493	2	6.25	33511	22	8.00
16	33494	3	8.50	33512	23	11.00
21	33495	4	10.50	33513	24	13.75
26	33496	5	12.25	33514	25	16.75
31	33497	6	14.50	33515	26	19.75
36	33498	7	17.50	33516	27	25.00
41	33499	8	22.50	33517	28	30.50
46	33500	9	44.50	33518	29	60.75

We are prepared to make cables of any gauge wire from No. 16 to 24 B. & S. gauge with different styles of insulation and finish, and shall be glad to furnish estimates upon receipt of specifications.

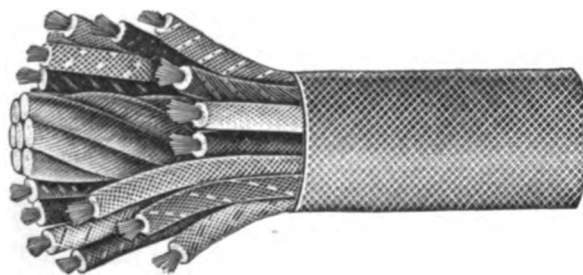
CABLES FOR INTERIOR TELEPHONE INSTALLATIONS

We manufacture several styles of cable for interior telephone installations. We list only the style most generally used. Consists of two No. 18 rubber covered battery wires, one No. 18 annunciator wire, and remainder No. 20 annunciator wires. Each wire has a different colored covering known as Code covering. The wires are spiralled together in cable form and covered with a wrapping of tape. The application of tape makes the cable moisture-proof. The outside braid is cotton, and is saturated with drab Underwriters' paint.

We aim to carry the following sizes in stock.

Trade No.	No. of Conductors	Price per 100 Ft.	Trade No.	No. of Conductors	Price per 100 Ft.
33519	3	\$4.25	33524	13	\$6.25
33520	5	4.75	33525	15	6.75
33521	7	5.00	33526	18	7.75
33522	9	5.50	33527	21	8.00
33523	11	5.75	33528	23	9.00

ELEVATOR ANNUNCIATOR CABLES



Each conductor composed of 16 strands No. 30 copper wire and insulated with two wrappings of cotton applied in reverse directions, and one cotton braid. The insulated conductors are spiralled around a core of jute rope which gives extra tensile strength and makes cable extremely flexible. The outer braid is of green cotton. Sizes carried in stock, 4 to 10-conductor. Prices on larger sizes quoted on application.

33529	4	6.00	33533	8	12.00
33530	5	7.50	33534	9	13.50
33531	6	9.00	33535	10	15.00
33532	7	10.50	.....	..	.....

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

R-L TELEPHONE WIRE AND CORDS

TELEPHONE SWITCHBOARD WIRE

Tinned copper with silk and cotton insulation wrapped in reverse directions and saturated with wax compound. Standard in following colors or combination of colors: Red, white, blue, green, orange, slate and black. Sizes carried in stock, Nos. 18 to 24, inclusive.

Insulation	Price, per Pound				
	Size, B. & S. GAUGE				
	18	19	20	22	24
Silk and cotton	\$0.525	\$0.548	\$0.567	\$0.655	\$0.754
Silk and two cotton	.527	.550	.564	.640	.714
Two silk and cotton	.658	.666	.720	.845	.965

BRAIDED JUMPER WIRE

Wire is tinned copper, insulated with a single or double silk wrapping and outside cotton braid; saturated with wax compound and polished. The standard color combination for twisted pairs is red with white mate; for three conductors, red, white and blue. Sizes carried in stock, Nos. 18 to 24, inclusive

Insulation	Price, per Pound				
	Size, B. & S. GAUGE				
	18	19	20	22	24
One silk and cotton braid	\$0.578	\$0.593	\$0.624	\$0.72	\$0.83
Two silk and cotton braid	.723	.732	.792	.93	1.06

Furnished in either single, duplex or triplex conductor wire.

FLAME-PROOF JUMPER WIRE

Wire is tinned copper, insulated with a single or double silk wrapping, also cotton wrap and outer braid of flame-proof thread. The standard color combinations are as follows: Single, red; duplex, red and white; triplex, red, white and blue. Sizes carried in stock, Nos. 18 to 24, inclusive.

Insulation	Price, per Pound				
	Size, B. & S. GAUGE				
	18	19	20	22	24
One silk and cotton and flame-proof braid	\$0.73	\$0.74	\$0.77	\$0.87	\$0.98
Two silk and cotton and flame-proof braid	.87	.88	.94	1.08	1.21

Furnished in single, duplex or triplex conductor wire.

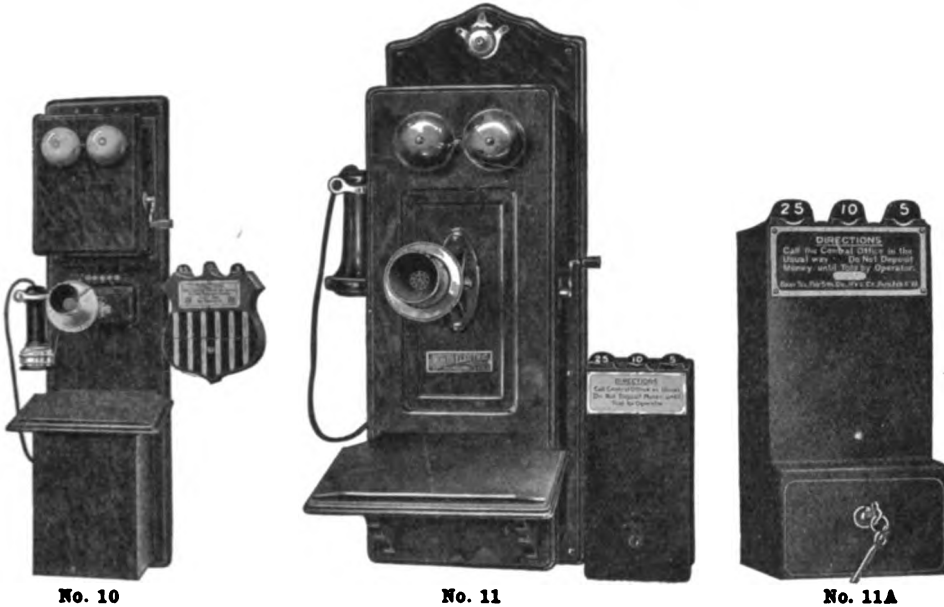
MISCELLANEOUS FLEXIBLE CORDAGE

Trade No.	No. of Conductors		Price per Yd.
33474	1	Composed of 4 No. 32 wires insulated with one green cotton braid..	\$0.04
33475	1	Composed of 16 No. 33 wires insulated with one serving of red cotton and an outer braid of red cotton.....	.045
33476	1	Composed of 16 No. 31 wires insulated with one green cotton braid and an outer braid of green spun silk.....	.12
33477	1	Composed of 50 No. 32 wires insulated with one green cotton wrap and an outer braid of green spun silk.....	.18
33478	1	Composed of 18 strands of copper tinsel and 3 No. 36 wires insulated with one cotton braid and an outer braid of maroon or black worsted .....	.10
33479	1	Composed of 24 strands of copper tinsel and 3 No. 36 wires insulated with one close braid of red floss silk .....	.18
33480	2	Composed of 5 No. 30 wires insulated with one green cotton braid laid together flat and inclosed in outer braid of green spun silk..	.10
33481	2	Composed of 30 No. 33 wires insulated with two green cotton braids laid together and inclosed in outer braid of green spun silk .....	.32
33482	2	Composed of 24 strands copper tinsel insulated with two green cotton braids laid together and inclosed in outer braid of green spun silk.....	.32

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

GRAY AUTOMATIC PAY STATIONS

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



These pay stations are entirely automatic in action; no electrical connections are required and the signals are sounded without the use of levers or buttons. Simply drop in the coin.

No. 10, WITH MOUNTING PLATE

The illustration shows the No. 10 pay station attached to the right of the telephone by a mounting plate. Regularly furnished in red, white and blue enamel. Other colors to order.

Trade No.	Price Each
084753 No. 10 complete.....	\$8.50

No. 11, WITH MOUNTING PLATE

Attached on mounting plate, which goes on the back of the wall set. These plates are made in several styles, therefore it is necessary to specify the style wall set in use. Slots for nickels, dimes, and quarters. Size of box, inches: Height, 9; width, 4½; depth, 3.

084754 No. 11 complete.....	8.00
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No. 11A, WITH MOUNTING PLATE

This station has extra large coin compartment and can be mounted either with a plate as the No. 11, or can be drilled to take transmitter on the front. Furnished with mounting plate unless otherwise specified. Box same size as No. 11.

Specify style wall set with which the station is to be used.

Trade No.	Price Each
084755 No. 11A complete.....	\$8.50



No. 10A

No. 10A, SHIELD PATTERN

Attached directly to the backboard. Includes complete swivel for transmitter.

084756 No. 10A complete.....	8.50
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GRAY AUTOMATIC PAY STATIONS



No. 8A



No. 18



No. 14

These pay stations are entirely automatic in action; no electrical connections are required and the signals are sounded without the use of levers or buttons. Simply drop in the coin.

No. 8A, NEW MODEL NICKEL SLOT ONLY

This station is a local toll collector of extra heavy Scotch iron castings. The money drawer sets flush with the front of case and has large coin capacity. Can be mounted directly on the backboard by setting the transmitter arm to one side or may be attached with mounting plate.

Will be furnished without plate unless otherwise specified.

Size, inches: Height, 7; width, $3\frac{3}{4}$; depth, $3\frac{1}{4}$.

Trade No.		Price Each
084762	No. 8A, without plate.....	\$3.50
084763	Mounting plates.....	.35

No. 18, WITH MOUNTING PLATE

This station is intended for places where it is desired to dispense with the transmitter arm.

084764	No. 18 with transmitter swivel.....	8.00
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No. 14, PORTABLE

For a general portable business this is an ideal piece of apparatus. The automatic feature makes these stations particularly well adapted for portable service.

Size of box, inches: Height, 9; width, $4\frac{1}{2}$; depth, 3.

084765	No. 14, enameled finish	11.00
084766	No. 14, nickel-plated	13.00



No. 3

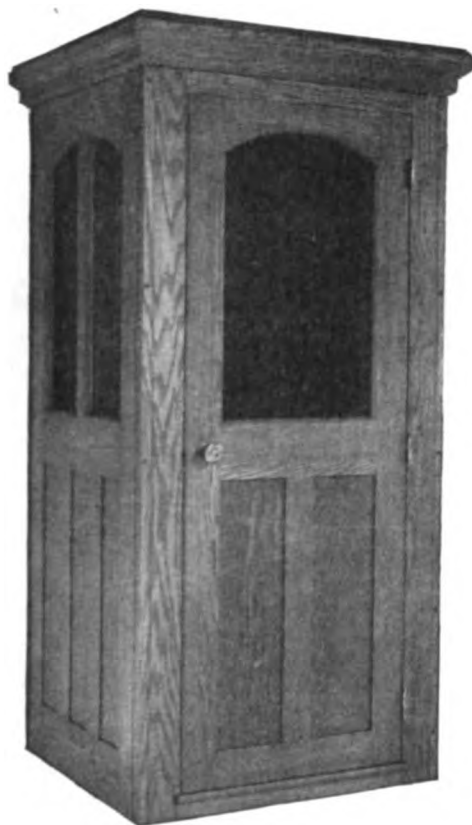
REGISTERS, No. 3

These registers are entirely mechanical and can be attached to either wall or desk sets. Five seconds on each call is saved by the line being cleared immediately upon releasing the plunger. The automatic muffler makes this possible.

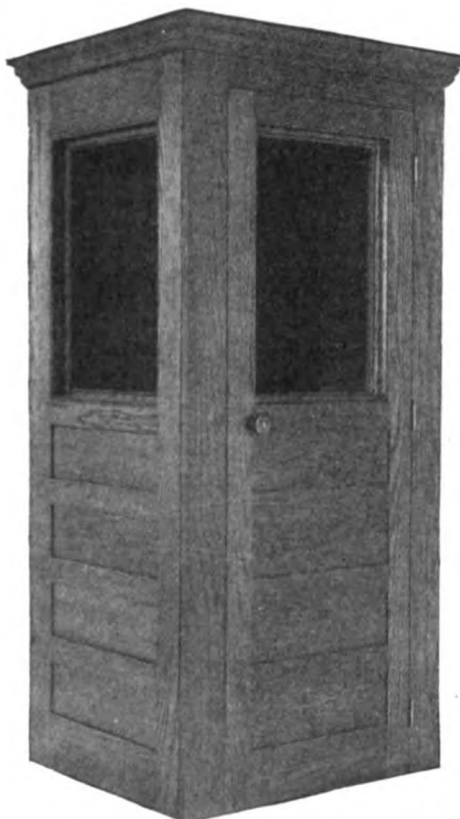
084767	No. 3 registers.....	3.00
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SOUND-PROOF TELEPHONE BOOTHS



Booth Nos. 20, 20A, 21 and 22



Booth No. 25

Nos. 20, 20A, 21 and 22 are the most popular booths for general use. They are plain but neat in design, equal to the higher priced booths in construction and sound-proof qualities and are of moderate cost. They are of the same general style, but vary in size to permit the use of equipment of any kind.

Nos. 21 and 22 have a window at the side of the door.

No. 20A has the door in the end or short side.

Nos. 20, 20A, 21 AND 22

Trade No.	Mfrs. No.	FLOOR SPACE, INCHES		Approx. Ship. Weight, Pounds
		Outside	Inside	
27726	20	32½x39	26x32	515
27727	20A	32½x39	26x32	515
27728	21	39 x44	32x37	640
27729	22	42½x49½	36x42	760

No. 25

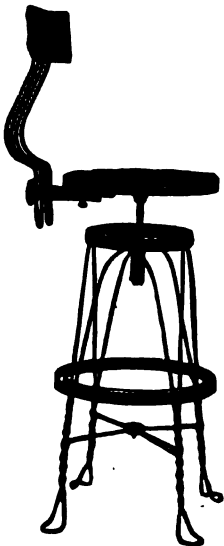
No 25 was designed to meet a general demand for something neat and inexpensive. The inside and outside walls are fastened together with blocks faced with felt, so that it is very easily set up or taken down. It has proven very popular for small toll stations.

27730	25	31 x37	26x32	450
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Prices quoted upon application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

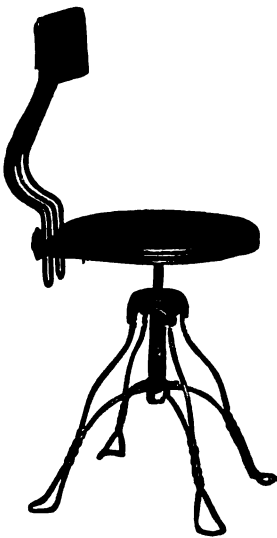
METAL OPERATORS' CHAIRS



No. 66



No. 61



No. 62

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

No. 66

Patented Double Cross Brace Construction

No. 66 chair is revolving and adjustable. Back has horizontal and vertical adjustment.

Mfrs. No.	Diameter Inches of Seat	Height, Inches of Seat at Lowest Point	Vertical Adjustment Inches	Copper Finish		Nickel Finish	
				Trade No.	Price Each	Trade No.	Price Each
66	15	24	4	42435	\$13.00	42439	\$15.00
66	15	28	4	42436	13.50	42440	15.50

Metal finish: Triple oxidized copper or nickel-plated over copper.

Wood finish: Quartered golden oak and mahoganized birch are standard; any other finish to order.

No. 61

Patented Double Cross Brace Construction

61	15	18	4	42437	12.00	42441	14.00
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Metal finish: Triple oxidized copper or nickel-plated over copper.

Wood finish: Quartered golden oak and mahoganized birch are standard; any other finish to order.

No. 62

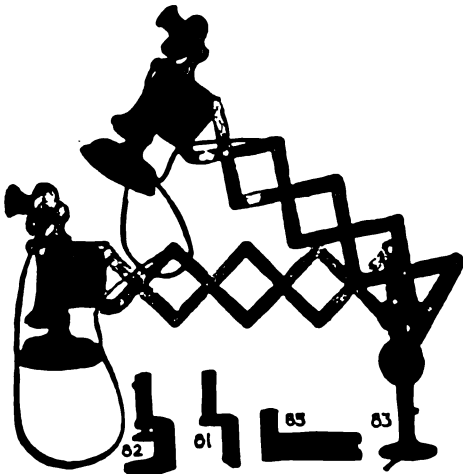
The No. 62 chair is revolving and adjustable. Back has horizontal and vertical adjustment.

62	15	18	4	42438	11.00	42442	13.00
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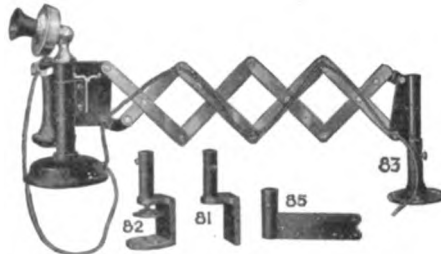
Metal finish: Triple oxidized copper or nickel-plated over copper.

Wood finish: Quartered golden oak and mahoganized birch are standard; any other finish to order.

BURNS TELEPHONE BRACKETS



Burns Hi-Lo Telephone Bracket



Improved Burns Telephone Bracket

ADJUSTABLE BRACKETS

Slightest touch brings your phone to you or takes it away. No dangling cords to tangle or catch on desk or papers. Can be instantly attached or detached from any desk, either roll or flat-top. Trussed form of construction makes it many times stronger than any other bracket. Illustration shows standard size of eight 7-inch links and this size will be shipped, unless otherwise ordered.

The Hi-Lo Bracket has an additional adjustment feature which permits use from either a sitting or standing position.

To make a double bracket use No. 93 twin attachment. Price of double arm is the same as two singles.

IMPROVED BRACKETS

Trade No.	Mfrs. No.	No. of Links	LENGTH, INCHES Link Ext.	*Price Each
042247	87	8	7 24	\$4.00
042248	107	10	7 28	4.50
042249	127	12	7 32	5.00
042250	147	14	7 36	5.50

HI-LO BRACKETS

121579	H- 87	8	7	23	4.50
121580	H-107	10	7	27	5.00
121581	H-127	12	7	32	5.50
121582	H-147	14	7	36	6.00

In ordering, be sure to specify the style of mounting for desk, style of clamp to hold telephone, and whether Improved or Hi-Lo Bracket.

*Prices are for bracket complete with No. 81, 83, 85, 85X, 85Y, or 92 mounting and any style clamp. Add 25 cents to list price when No. 82 or 86 is wanted.

PARTS

Mountings

Trade No.	Mfrs. No.	Price Each
042559	81	\$0.45
042560	82	.70
042561	83	.45
042562	85	.45
042563	85X	.45
042564	85Y	.45
042565	86	.70
121583	88	.45
121584	92	.45
121585	93	.45

Clamps

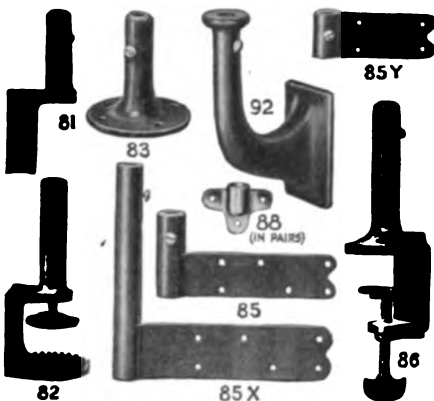
Trade No.	Mfrs. No.	Price Each
042555	A	\$0.35
042556	B	.35
042557	C	.35
042558	G	.35
121586	H	.35

Arms only

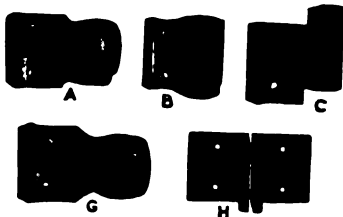
042566	87	3.10
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Receiver Forks

042567	108	.10
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Mountings



Clamps



No. 93



Receiver Fork, No. 108

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

AMERICAN TELEPHONE BRACKETS



Radio Telephone Holder

RADIO TELEPHONE HOLDERS

This device saves valuable space by keeping the telephone up and off the desk when not in use. Enables the telephone to be used by several persons without inconvenience to anyone.

Accidents are also avoided, such as overturned inkwells, disarranged papers, broken receiver, mouthpiece, etc.

Suspends the telephone below the holder in a position most convenient to user. May be tilted at any angle desired and instrument is always in a vertical position. Operates smoothly, easily and positively. The ball bearing gives perfect balance to the apparatus and it stays where placed, with a low center of gravity.

Tube is finished in oxidized copper, mountings in black enamel.

Made in one size only, with a 32-inch extension which may be increased to 38 inches by use of No. 3 attachment.

Can be installed in 5 minutes with a screwdriver. No wires or cords need be disturbed. Furnished complete, with mounting and screws for attaching.

Trade No.	Description	Price Each
35238	32-inch, standard length, No. 1 mounting	\$9.00
35239	32-inch, standard length, No. 2 mounting	9.00
35240	With No. 3 attachment, 6-inch extension	10.00

ECONOMY TELEPHONE BRACKETS

This device is a double swing bracket with 24-inch extension. Will hold any make of telephone.

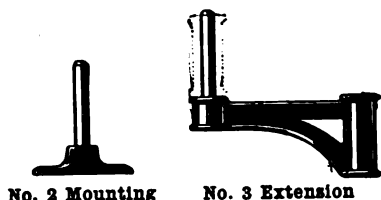
Regularly finished in oxidized copper with mounting and clamp in black enamel.

35241	With Nos. 81, 83, 85, 85X or 85Y mountings and any style clamp.	3.50
35242	Same as above, but with No. 82 mounting	4.00

If desired without mounting, deduct \$0.90.

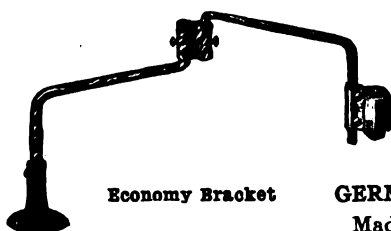
If desired without clamp, deduct \$0.70.

For description and illustrations of mountings see page on Burns Telephone Brackets.



No. 2 Mounting

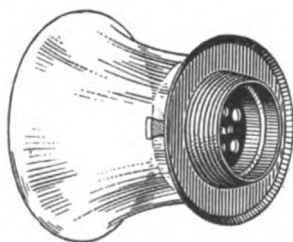
No. 3 Extension



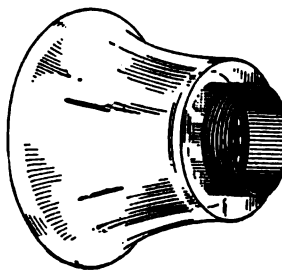
Economy Bracket

GERM-PROOF GLASS TELEPHONE MOUTHPIECES

Made of clear crystal glass and is intended to replace the filthy rubber mouthpieces in common use, which furnish all sorts of germs an ideal breeding place. The glass part can be instantly removed for cleaning or may be wiped clean without removal. Less liable to breakage than the hard rubber mouthpiece and give better transmission.



Universal Type Mouthpiece

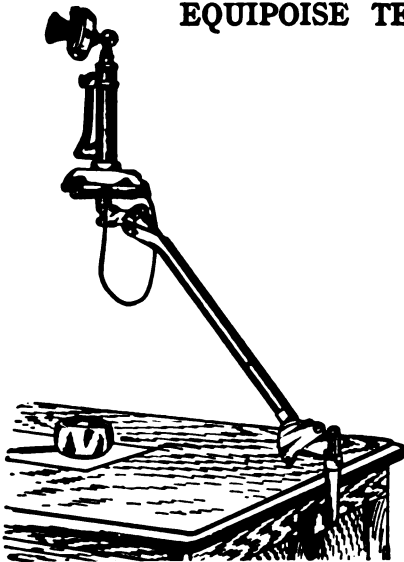


Bell Type Mouthpiece

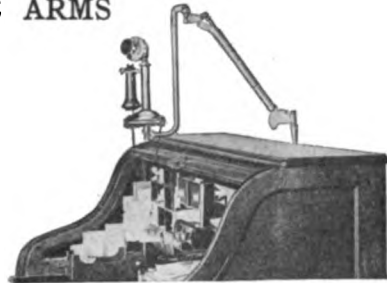
Trade No.	Description	Price Each
35243	Complete	\$0.50
35244	Extra glasses .....	.20

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EQUIPOISE TELEPHONE ARMS



No. 041309, Standard Arm
For Either Roll or Flat-top Desk



No. 041312

FOR ROLL AND FLAT-TOP DESKS AND WALLS

Hard Rubber Finish

Trade No.	Arm Extension Inches	Drop Inches	Price Each
041309	24	\$5.00

Heavy Nickel Finish

041310	24	6.00
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FOR ROLL-TOP DESKS

Hard Rubber Finish

041311	24	10	6.25
041312	24	17	6.40

Heavy Nickel Finish

041313	24	10	7.50
041314	24	17	7.68

FLOOR STANDS

FOR ONE, TWO OR THREE ARMS

Hard Rubber Finish

041315	3.50
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Heavy Nickel Finish

041317	4.20
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PARTS

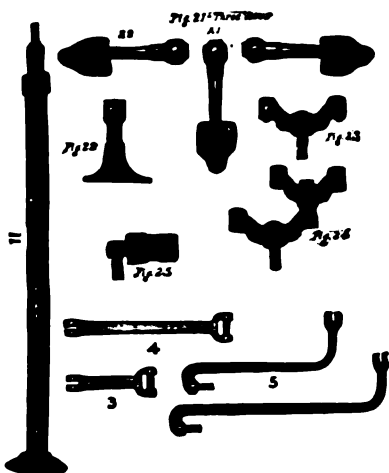
Hard Rubber Finish

Add 20 Per Cent for Heavy Nickel Finish

Trade No.	Mfra. No.	Description	Price Each
041318	3	6-inch link extension.....	\$0.90
041319	4	12-inch link extension.....	1.25
041320	5	10-inch drop extension....	1.25
041321	6	17-inch drop extension....	1.40
54112	11	Floor stand.....	3.50
54113	22	Special desk attachment..	.70
54114	23	Double yoke.....	1.00
54115	24	Triple yoke.....	1.80
54116	25	Stem clamps, nickel finish	.70



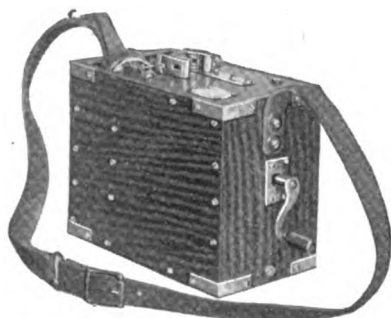
No. 041315



Attachments for Equipoise Arms

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

HOLTZER-CABOT TESTING SETS AND BELLS



Stewart Testing Set

STEWART LINEMEN'S TESTING SETS

A test set having the novel feature of telling which way and how far trouble (crosses, grounds and shorts) is from the tester, without cutting a wire. This can be done by the lineman without using mathematics. This set is also a complete portable telephone having a transmitter, receiver, induction coil and a powerful generator which will ring in on heavy loaded bridged lines.

41102 $4\frac{1}{2} \times 6\frac{1}{2} \times 9$ $12\frac{1}{2}$ \$36.36

LINEMEN'S TESTING SETS

The chief new features of these combination test sets are light weight and compactness. The crank folds up flush with the case and the transmitter is practically flush. With the receiver in the holder, the generator rings through the buzzer. With the receiver out of the holder, it rings direct to line; the receiver at the same time is shunted out by the generator.

With the receiver out of the holder, the 2-bar generator will ring ten 1600-ohm bells through a resistance of 1500 ohms, and the 3-bar generator the same number of bells through a resistance of 4000 ohms.



No. 13-204d, Front

Trade No.	Mfrs. No.	No. of Bars	Resistance of Buzzer Ohms	Dimensions Inches	Wt., Lbs. Each	Price Each
77985	13-204d	2	80	$5 \times 5 \times 5\frac{1}{2}$	$6\frac{1}{4}$	\$26.25
77986	14-204d	2	1000	$5 \times 5 \times 5\frac{1}{2}$	$6\frac{1}{4}$	27.30
77987	15-204d	3	80	$5 \times 6 \times 5\frac{1}{2}$	$7\frac{1}{4}$	28.35
77988	16-204d	3	1000	$5 \times 6 \times 5\frac{1}{2}$	$7\frac{1}{4}$	29.40

For 5-foot No. 18 twisted cord with Williams Test Clips and Rubber Guards attached, add \$1.40.

For 4-foot shoulder strap with buckle add \$1.20.

For transmitter switch put in, add \$1.20.

LOUD-RINGING POLARIZED EXTENSION BELLS

These bells are well adapted for use as call systems in factories, schools, mines and buildings under construction, etc. The cases are of stamped steel heavily enameled; the coils are treated with insulating varnish, and the bells are to all intents and purposes waterproof.

They are equipped with 6-inch gongs and a special polarized ringer movement operating on any alternating current telephone generator, or commercial alternating current of 110 or 220 volts at 60 cycles or less. (For 110-volt, 60-cycle current, use the 160-ohm bell. For 220-volt, 60-cycle current, use the 300-ohm bell.)

Furnished for either common battery or magneto telephone systems.



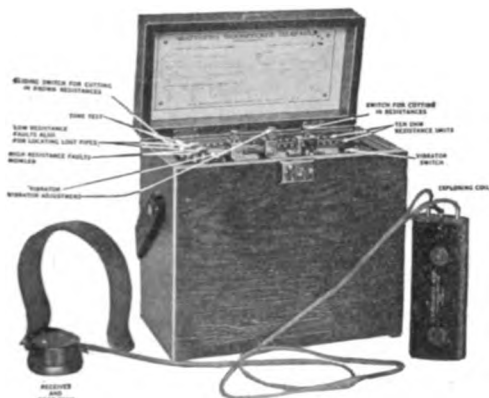
Nos. 205-200c

Trade No.	Mfrs. No.	Resistance Ohms	Price Each
38329	201-200c	80	\$8.20
38330	202-200c	160	8.40
38331	203-200c	300	8.61
38332	204-200c	500	8.82
38333	205-200c	1000	9.03
38334	207-200c	1600	9.35
38335	208-200c	2000	9.78
38336	210-200c	2500	10.30
38337	139-200c	2 M. F. condenser, add...	2.10
38338	140-200c	4 M. F. condenser, add...	3.15
38339	220-200c	With biasing attachment, add.....	2.65

Nos. 201-200c to 210-200c with 6-inch nickel-plated cast cow gongs, add \$7.35 to list prices.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MATTHEWS TESTING INSTRUMENTS

MATTHEWS WOODPECKER
TELEFAULT

For use on telephone, telegraph, signal or power cable. A simple self-contained instrument that will exactly locate water in cables, shorts of all kinds in cables, crosses, grounds, split pairs, in fact, everything except "opens." It only uses one dry cell battery, maximum voltage under 5 volts. The tone is like a woodpecker on a pole and does not "noise" up other working pairs, because of the inductive field created.

It has a set of known calibrated resistances, which enable the troubleman to approximately locate trouble before starting from the office. Can be used for locating trouble on open-wire circuits as well as for cable circuits. Can also be used as a tone test set, as a "howler" to make subscribers hang up receivers; for locating the path of concealed wires, conduits or pipes, either in walls, ceiling or floors.

Matthews Woodpecker Telefault is held in a neat, strong case, furnished with a carrying strap and waterproof cover. The vibrator, battery, head phone and exploring coil are all contained in this box.

Trade No.	Description	Shipping Wt., Lbs.	Net Price Each
67479	Telefault complete	12	\$60.00
67480	Extra exploring coil	2	15.00
67481	Extra receiver	1	3.00

No batteries are furnished. Shipping weight, 12 pounds.



MATTHEWS TYPE C TELEHEIGHT

This vest pocket instrument is so designed that linemen can sight at the top of the object or at any height within its range on the object and get its exact height above the ground in feet. For example, the height of poles, wires, buildings, trees, bridges, etc., can be quickly, easily and exactly determined with this instrument.

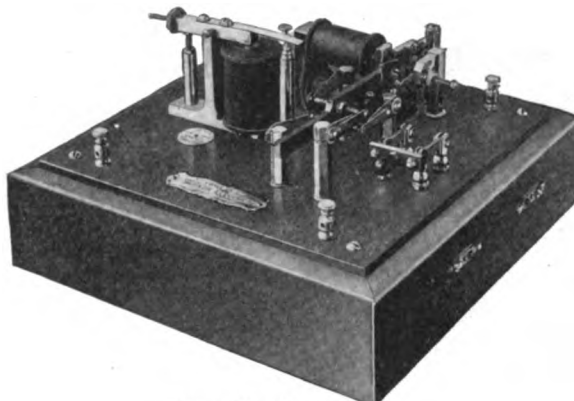
Trade No.	Description	Weight Ounces	Net Price Each
67478	Type C Teleheight	14	\$15.00

Price includes a neat leather carrying case.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WARNER POLE CHANGERS

No. 2 STANDARD POLE CHANGERS



No. 2 Standard Outfit

Mounted on a neatly finished wooden base, with metal terminals installed on each side of the base for battery connections. This type is complete for the machine only with glass cover, as shown in illustration of No. 1 outfit below.

A 350-ampere-hour closed circuit battery should be purchased with this type for propelling the vibrator. This battery should be installed close to the pole changer and connected with No. 16 B. & S. gauge wire. The dry cells, 30 to 60, used for the signalling battery, may be installed in any convenient place. Equipped with relay which bridges the condenser across the secondary circuit only when the operator signals.

Trade No.	Description	Price, Each
076668	Complete, with glass cover.....	\$25.00
076669	Complete, with glass cover and 350-amp. closed circuit battery.....	28.30

No. 1 DRY BATTERY OUTFITS

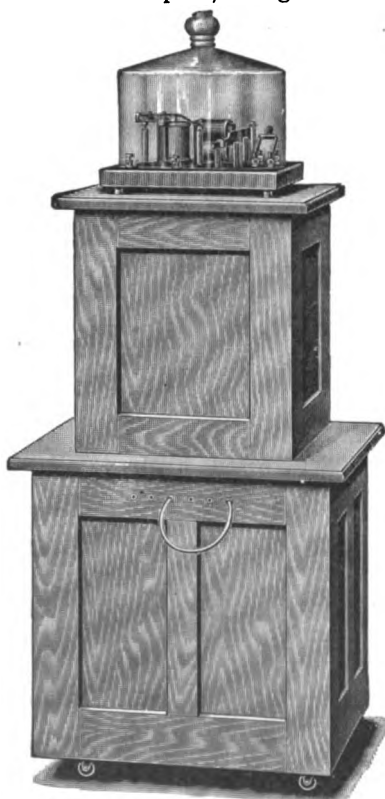
This outfit consists of a cabinet constructed from oak lumber neatly paneled, finished in golden oak, built in two compartments, the lower one equipped with 60 dry cells, known as the secondary battery, used for the power signalling. Five jacks are installed in the front of the lower compartment with cord and plug attached for the purpose of increasing the voltage from 60 to 90 volts, hence giving reserve of 15 dry cells.

A 350-ampere-hour closed circuit battery is installed in the upper compartment and furnishes power for propelling the vibrator.

The pole changer is mounted on top of the upper compartment and is protected with a heavy glass cover. The cabinet is mounted on castors for the convenience of moving if desired. The front binding posts on the pole changer are for alternating connections to the switchboard and the two rear binding posts are pulsating current selective signalling.

Equipped with relay which bridges the condenser across the secondary circuit only when the operator signals.

This outfit is complete ready for immediate use after the closed circuit battery has been charged. The cabinet occupies a space of 18x20x40 inches high over all, and when crated for shipment weighs about 200 pounds.



No. 1 Dry Battery Cabinet Outfit

Trade No.	Description	Price Each
076664	Complete, with all batteries	\$45.00
076665	Complete, less dry cells	36.30
076666	Complete, less all batteries	33.00
076667	Cabinet only, wired complete	10.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

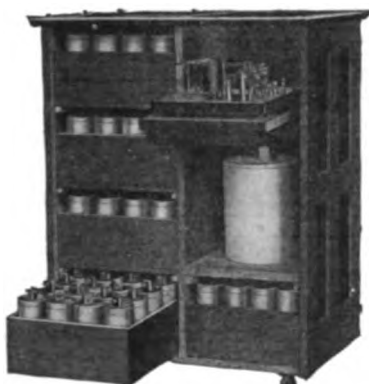
WARNER POLE CHANGERS

IMPERIAL POLE CHANGERS

The cabinet is constructed from seasoned oak lumber. It occupies a space of $16\frac{1}{2} \times 26\frac{1}{2}$ inches and is 33 inches high. Weight, crated for shipment with 60 dry cells and closed circuit battery, about 200 pounds.

The cabinet is equally divided into two compartments. Four drawers for the accommodation of 80 dry cells occupy one compartment. The second compartment is arranged for the accommodation of the pole changer, terminal strip, closed circuit battery, and one drawer to hold 20 additional dry cells. Each drawer is divided into 20 compartments.

A Warner 350-ampere Closed Circuit Battery operates the vibrator, insuring a steady movement and perfect operation. Equipped with a relay which bridges the condenser across the secondary circuit only when the operator is signaling. Regularly furnished with 60 dry cells but may be equipped with 80 or 100, if specified.



Imperial

Trade No.	Description	Price Each
083978	Complete with 60 dry cells and Warner 350-ampere closed circuit battery....	\$50.00
083979	Complete with 80 dry cells and Warner 350-ampere closed circuit battery....	53.50
083980	Complete with 100 dry cells and Warner 350-ampere closed circuit battery....	57.00
083981	With pole changer, without dry cells or closed circuit battery.....	37.00
083982	Cabinet only, with partition drawers, shelves, terminal strip, and wiring...	12.00

TYPE P. B. X. POLE CHANGERS

Designed to furnish signaling power for private branch and small telephone exchanges at a cost not to exceed 50 cents per month. The cabinet is made of oak, and occupies a space of 14×14 inches; height, 24 inches; weight, crated for shipment, about 120 pounds. The cabinet is built in one compartment. The pole changer is mounted near the top and the drawers, for the accommodation of the dry cells, are installed directly below. Each drawer is partitioned into 16 compartments. This method of construction provides a separate compartment for each individual cell.

083983	Complete with 32 dry cells.....	25.00
083984	Complete without dry cells.....	20.00
083985	Cabinet only, less pole changer and dry cells.....	6.00

PEERLESS POLE CHANGERS

Cabinet is finished in golden oak and mounted on castors. It occupies a space of 16×16 inches and is 24 inches high; weight, crated for shipment, about 65 pounds. This cabinet is constructed to accommodate the pole changer and closed circuit battery only. The dry cells must be installed in some convenient place. The terminal strip is installed in rear of cabinet opposite the closed circuit battery. Switchboard connecting terminals are mounted on the same strip and holes are provided through the back of the cabinet for passing the power wires through to the switchboard terminals. Both pole changer and battery are mounted on a slide shelf and may be withdrawn from the cabinet for inspection without interfering with the operation of the pole changer. Equipped with a relay which bridges the condenser across the secondary circuit only when the operator signals.



Peerless

083986	Complete with Warner 350-ampere closed circuit battery.....	32.30
083987	Complete without battery.....	29.00
083988	Cabinet only, less pole changer and battery.....	6.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CABLE HANGERS



Marline Hanger

MARLINE CABLE HANGERS

No. 1

The hooks are made of No. 9 galvanized steel wire.

Trade No.	Hook No.	Description	Wt., Lbs. per 1000 of Loop, In.	Length of Loop, In.	Size of Cable, Pair	Price per 1000
076005	9	2-ply marline	30	9	25	\$5.25
076006	9	2-ply marline	33	11	50	5.75
076007	9	2-ply marline	34	12	75	6.00
076008	9	3-ply houseline	40	14	100	7.35
076009	9	3-ply houseline	42	15	150	7.65
076010	9	3-ply houseline	45	16	200	8.00

No. 3 A. T. & T. Specifications

The hooks are made of No. 9 spring steel wire and are regvanized by hot dip process after they are formed.

076011	9	3-ply houseline	35	9	25	6.40
076012	9	3-ply houseline	37	11	50	7.00
076013	9	3-ply houseline	38	12	75	7.35
076014	9	3-ply houseline	40	14	100	7.85
076015	9	3-ply houseline	42	15	150	8.15
076016	9	3-ply houseline	45	16	200	8.50

No. 6 regvanized hooks furnished on this grade at a net advance of 80 cents per thousand.



Peirce Hanger

PEIRCE STANDARD CABLE HANGERS

The hooks are made of No. 9 wire and are galvanized after they are formed.

Trade No.	Mfrs. No.	Size of Cable, Pr.	Will Hang Cable Max. Diam., In.	Std. Pkg.	Wt., Lbs. Std. Pkg.	Description	Price per 1000
076017	40	25	$\frac{5}{8}$	2000	56	2-ply marline	\$ 9.50
076018	41	50	$1\frac{1}{8}$	2000	57	2-ply marline	10.50
076019	42	75	$1\frac{5}{8}$	2000	58	2-ply marline	11.50
076020	43	25	$\frac{5}{8}$	2000	57	3-ply houseline	11.50
076021	44	50	$1\frac{1}{8}$	2000	58	3-ply houseline	12.50
076022	45	75	$1\frac{5}{8}$	2000	59	3-ply houseline	13.50
076023	46	100	$1\frac{7}{8}$	2000	60	3-ply houseline	14.50
076024	47	150	$1\frac{7}{8}$	2000	61	3-ply houseline	15.50
076025	48	200	$1\frac{7}{8}$	2000	62	3-ply houseline	16.50
076026	49	250	$2\frac{1}{4}$	1000	34	3-ply houseline	18.25
076027	50	300	$2\frac{3}{4}$	1000	35	3-ply houseline	21.00
076028	51	400	$2\frac{3}{4}$	1000	36	3-ply houseline	26.00

SWISHER CABLE HANGERS

A. T. & T. Grade

Made according to the A. T. & T. Co.'s specifications as to galvanizing of hooks and quality of marline. Hooks are galvanized by hot dip process after they are formed. Marline is 3-ply pure American hemp material.

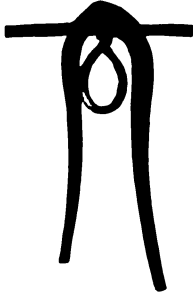


Swisher Hanger

Trade No.	Mfrs. No.	Size of Cable Pair	Will Hang Cable Max. Diam., In.	Approx. Wt., Lbs. per 1000	Price per 1000
076038	T- 25	25	$\frac{5}{8}$	35	\$11.50
076039	T- 50	50	$1\frac{1}{8}$	38	12.50
076040	T- 75	75	$1\frac{5}{8}$	40	13.50
076041	T-100	100	$1\frac{7}{8}$	43	14.50
076042	T-150	150	$1\frac{7}{8}$	45	15.50
076043	T-200	200	$1\frac{7}{8}$	48	16.50
076044	T-250	250	$2\frac{1}{4}$	52	18.25
076045	T-300	300	$2\frac{3}{4}$	58	21.00
076046	T-400	400	$2\frac{3}{4}$	65	26.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

CABLE RINGS AND HANGERS



Type A Ring
Showing Plier Used to
Attach Rings to Strand



Type C Ring
Showing Edge



Type D Ring



Bridle Ring

LOCKE AERIAL CABLE RINGS

These rings are galvanized metal cable hangers which last as long as the strand to which they are attached.

Type A

Type A rings have an inside diameter of $1\frac{3}{4}$ inches and are large enough for all cable up to 100 pair No. 22.

Trade No.	Diam. Inches	Std. Pkg.	Wt. Lbs.	Price per 1000
093401	$1\frac{3}{4}$	1000	61	\$12.00

Type C

Type C rings have two hooks, making them exceptionally strong.

Trade No.	Diam. Inches	Std. Pkg.	Wt. Lbs.	Price per 1000
093402	$1\frac{3}{4}$	1000	65	....
093403	2	1000	68	....
093404	$2\frac{1}{4}$	500	41	....
093405	$2\frac{1}{2}$	500	47	....
093406	3	500	53	....
093407	$3\frac{1}{2}$	250	29	....

Type D

Type D rings also have two hooks but they drop on the strand direct, whereas Type C must be passed over the support wire and then given a quarter turn before engaging same.

Trade No.	Diam. Inches	Std. Pkg.	Wt. Lbs.	Price per 1000
69471	$1\frac{3}{4}$	1000	78	\$14.50
69472	2	1000	85	15.50
69473	$2\frac{1}{2}$	500	50	18.00
69474	3	500	58	20.00
69475	$3\frac{1}{2}$	250	32	24.00

The hooks or eyes on all sizes and styles of rings are found to fit any strand diameter. Specify strand size when ordering.

Pliers for Attaching Rings

Pliers for these rings are made in two sizes: Small size for $1\frac{3}{4}$ and 2-inch rings, and large size for $2\frac{1}{4}$, $2\frac{1}{2}$, 3 and $3\frac{1}{2}$ -inch rings. Specify strand size when ordering.

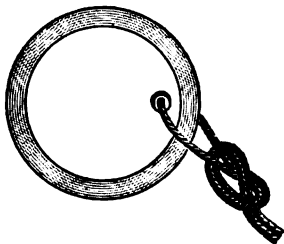
Trade No.	Description	Price Each
093408	Small size	\$3.00
093409	Large size	4.00
69476	Adjustable size	10.00

BRIDLE RINGS

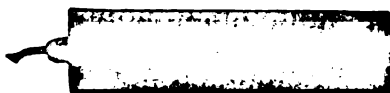
Trade No.	Style	Size, Inches			Price per 1000
		Eye	Opening	Shank	
012160	A	$1\frac{5}{8}$	$\frac{1}{4}$	$1\frac{1}{4}$	\$112.00
012162	C	$1\frac{1}{4}$	$\frac{1}{4}$	$1\frac{1}{2}$	106.00
012164	E	$\frac{5}{8}$	$\frac{1}{4}$	$\frac{7}{8}$	80.00
012165	F	3	$\frac{1}{4}$	$1\frac{3}{4}$	194.00

The prices listed above are for gray enamel. Prices on galvanized on application.

TELEPHONE CABLE SUPPLIES



Metal Rim Tag



Plumbers' Candle



Marlin



Paper Sleeves



Insulating Compound

CABLE PASTERS

Used to limit the length of wiped joints.

Trade No.	Description	Price per 1000
42378	2 inches wide, 1 foot long	\$3.00

METAL RIM TAGS

For numbering ends of conductors in cables.

42379	Metal rim tags, 1-inch diameter	3.50
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PLUMBERS' CANDLES

Trade No.	Mfrs. No.	Length Inches	Diameter Inches	Price per Lb.
42380	3	7½	1¼	\$0.50
42381	5	5½	1¼	.50

REFINED PARAFFINE

Trade No.	Description	Price per Lb.
42382	In 1-pound cakes.....	\$0.30
42383	In slabs (approximately 20 lbs.)	.20

A-1 BEESWAX

Especially adapted for electrical work.

42384	In 1-pound cakes.....	1.30
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MARLIN

2-ply

42385	In 1-pound balls.....	.40
42386	In 5-pound balls.....	.40

3-ply

42387	In 1-pound balls.....	.40
42388	In 5-pound balls.....	.40

WAXED LACING TWINE

Made of pure flax. Saturated in beeswax ready for use.

42389	In 1-pound balls.....	7.50
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PAPER SLEEVES

For splicing paper insulated telephone cables.

Trade No.	Dimensions Inches	Wt., Lbs. per 1000	Std. Pkg.	Price per 1000
42390	½x 3	1	150	\$1.50
42391	¾x 3	1	110	1.50
42392	¾x 18	6	...	4.50

LEAD SLEEVES

Sleeve should measure about 2 inches larger in diameter than the cable.

Trade No.	Description	Price per Lb.
42393	State diameter and length when ordering.....	\$0.20

EACO INSULATING COMPOUND

For Pot Heads and Cable Splicing

Trade No.	Description	Price per Lb.
42394	7½-pound cans	\$0.30

OZITE COMPOUND

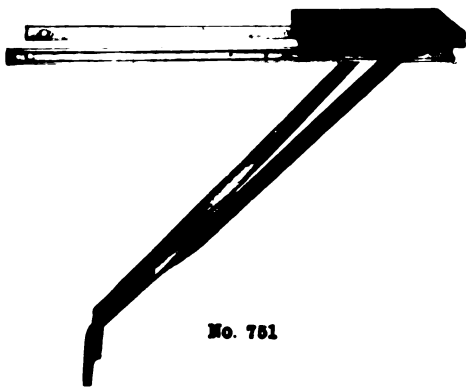
For Pot Heads

Trade No.	Description	Price per Gal.
42395	1-gallon cans.....	\$4.50
42396	2-gallon cans.....	4.00

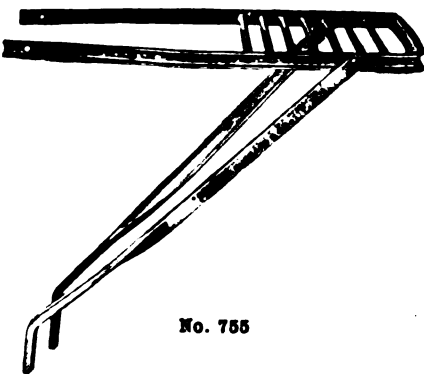
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PEIRCE POLE SEATS

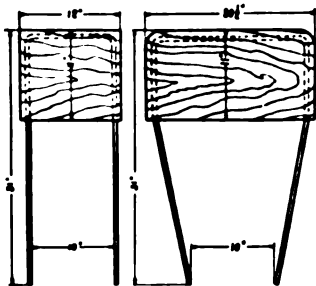
Hot Galvanized or Painted



No. 751



No. 755

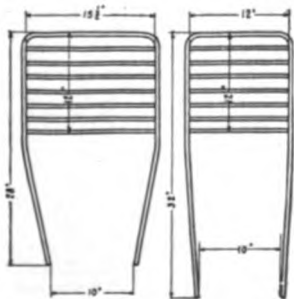


No. 751

No. 753

These are the seats which, in a competitive test, held a dead load of 1740 pounds without deflection. A 1¼-inch angle iron seat, weighing 50 per cent more, collapsed with 960 pounds load.

The frames and braces of all styles are of 1x½-inch channel steel. The wood seats are 1¼-inch cypress, boiled in creosote. The bars of the all steel seats are ¾-inch square steel, let into the frame in such manner as to leave no projecting ends. There is no strain on the riveted joints. The bars are placed with corners up to prevent slipping. They are shipped completely assembled in bundles of five.



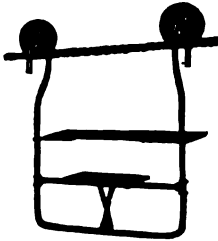
No. 755

No. 757

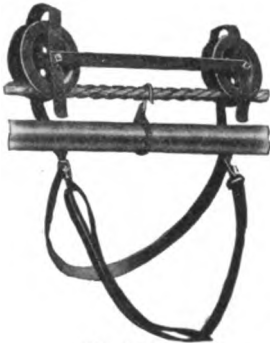
Trade No.	Mfrs. No.	Finish	Std. Pkg.	Wt., Lbs. per 100	Price per 100
41636	750	Painted	5	1260	\$ 85.00
41637	751	Galvanized	5	1260	100.00
41638	752	Painted	5	1400	125.00
41639	753	Galvanized	5	1400	145.00
41640	754	Painted	5	1400	95.00
41641	755	Galvanized	5	1400	120.00
41642	756	Painted	5	1260	95.00
41643	757	Galvanized	5	1260	120.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TELEPHONE CONSTRUCTION MATERIAL



No. 010286



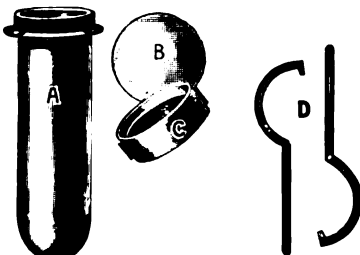
No. 010289



No. 010290



Security Conduit Rods



Parts of Joint and Spanner Wrenches

SECURITY CABLE CARS

No. 1

Pipes forming the frame are continuous, rollers of malleable iron, seat adjustable and made from hard wood with dovetailed ends. Tested for 1000 pounds.

Furnished with or without table. The table holds all kinds of tools and can be adjusted to suit the man using it.

Trade No.	Description	Wt. Lbs.	Price Each
010286	With wood seat and table.....	53	\$17.00
010287	With wood seat, no table.....	37	15.00

No. 3

Designed for trouble shooting and emergency work. Used with a lineman's safety strap. Can be adjusted for height. Lineman's back is protected by cushion fastened to back rest. This cushion also serves as an insulator.

010288	Including safety strap	10.20
010289	Without safety strap	7.90

SECURITY CABLE TROLLEYS

Wheels are 9 inches in diameter and made of malleable iron. Wood rollers will be furnished, if desired.

010290	Malleable iron, No. 2	12	3.00
41634	Malleable iron, No. 3, for cables 1 7/8 inch diameter and larger	20	3.60

SECURITY CONDUIT RODS

Made of round, straight-grained hickory, 36 and 48 inches in length, terminating in stout iron sockets.

Trade No.	Size Feet	Weight Ounces	Price Each
07314	3	14	\$1.10
07315	4	19	1.30

MATTHEWS' CABLE SPLICING JOINTS

For Lead Covered Cables

Description of Parts

A—Closed lead sleeve and externally threaded brass collar.

B—Lead disk or gasket.

C—Internally threaded brass collar.

D—Spanner wrenches for closing joint tightly.

Trade No.	Mfrs. No.	LIST PRICE, EACH—		
		Less than 25	25 to 49	50 and Over
042169	1	\$4.80	\$4.56	\$4.40
042170	2	6.00	5.70	5.50
042171	3	9.60	9.12	8.80
27133	4	15.00	14.24	13.74

No. 1. Weight 3 pounds; inside dimensions, 2 1/4 x 8 inches; will take for straightaway splice any cable up to and including 1 inch, outside diameter, for each cable.

No. 2. Weight, 4 pounds; inside dimensions, 3 1/8 x 8 inches; will take for straightaway splice any cable up to and including 1 1/2 inches, outside diameter, for each cable.

No. 3. Weight, 7 1/2 pounds; inside dimensions, 4 3/8 x 9 inches; will take for straightaway splice any cable up to and including 2 1/8 inches, outside diameter, for each cable.

No. 4. Weight, 15 pounds; inside dimensions, 5 3/4 x 11 1/8 inches; will take for straightaway splice any cable up to and including 2 3/4 inches, outside diameter, for each cable.

All Matthews' Cable Splicing Joints are furnished with a galvanized iron lining to prevent denting the lead pot.

SPANNER WRENCHES

Trade No.	Mfrs. No.	Price per Pair	Trade No.	Mfrs. No.	Price per Pair
042172	1	\$1.00	042174	3	\$1.50
042173	2	1.10	27134	4	1.80

Spanner wrenches will fit only the joint for which they are made. Quantities may consist of an assortment of various sizes.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NEW TYPE MOON FUSE TERMINALS

FOR MULTIPLE TAP AND SELF-SOLDERING NOZZLES

Trade No.	CONNECTIONS		SIZE, OVER ALL			Wt. Lbs.	Price Each
	Pairs	Wires	Length	Width Inches	Depth		
022460	6	12	16½	13¼	6¼	36	\$ 9.70
022461	10	20	16½	13¼	6¼	37	12.00
022462	15	30	18¼	13½	8¾	55	15.25
022463	20	40	18¼	13½	8¾	57	18.60
022464	25	50	18¼	13½	8¾	59	21.25
022465	35	70	21¼	13½	8¾	66	26.15
022466	50	100	25½	13½	8¾	76	35.00

Above prices do not include extra nozzles for multiple tap.

SELF-SOLDERING NOZZLES

For Multiple Tap		Price Each
Trade No.		
022467	For 6 to 20 pairs.....	.75
022468	For 25 to 35 pairs.....	1.00
022469	For 50 to 100 pairs.....	1.25
022470	For above 100 pairs	1.50

MULTIPLE TAP FUSE TERMINALS

The Moon Terminals have iron boxes which seal the cable, have all metal conductors, which lead from the inside of the box, extend a considerable distance out from the box, and are surrounded with a heavy porcelain insulation. The outgoing or open wires connect with the clips or connections which lay close to the iron box. Fuses extend outward from the box and form the connection between these clips and the cable conductor clips. All connections are made of stamped bronze. Mounting brackets are furnished to fit any size of pole.

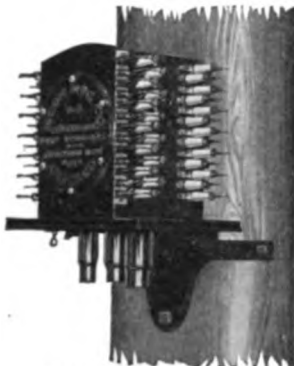
The terminal consists of a one-piece iron box, cover and bracket. The joint forming the seal of terminal cover is turned to a true fit. The cover is secured to the box with what are known as blind screws, screws which do not reach inside of the box to allow any chance for a leakage, and with the one-piece rubber gasket, which forms the joint, this cover makes a seal that lasts indefinitely under water without leakage.

The iron box is equipped with self-soldering nozzle, which enables the lineman to seal the cables in the box. Further protection is afforded by a pocket or cavity in the bottom of the box. When the cables are in place and have been sealed with our self-soldering nozzle, a small quantity of hot compound or paraffine is poured into the pocket and seals the wires in the cable sheath, completing a double seal and enabling you to open the box at any time for testing or transposing. Made in sizes five to fifty pairs multiplying in from two to five cables. Prices on application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



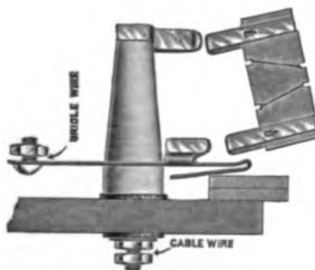
Terminal with Cover On



Terminal with Cover Off



Self-Soldering Nozzle



Details of Terminal

COOK POLE CABLE TERMINALS



Type S-6



Type SM



Type T-29

Junction Box
and Terminal

TYPE S-6

Type S-6 terminals have metal fanning strips, making them all metal terminals. They have tubular fuses, carbon lightning arresters and are equipped with self-soldering nozzles.

Trade No.	No. Pairs	Price Each
047744	10	\$12.00
047745	15	15.00
047746	20	22.50
047749	50	37.50

Type S-7 terminal, which is the same as the above terminal but combined with distributing rings, can be furnished for \$1.00 in addition to the prices given above.



Type S-6

TYPE S-16

Trade No.	No. Pairs	Price Each
019273	10	\$8.50
019274	15	9.75
019276	25	12.00
019278	50	20.00

Type S-16 terminals are similar to Type S-6. Above prices do not include protectors but connecting posts only, thus enabling the installation of the cable with the terminal. Terminals are arranged to take No. H-29 protector mounting, which lists at \$0.45 per metallic pair complete.

TYPE SM

Type SM terminals have Postal or Western Union Mica Fuses.

Trade No.	No. Pairs	Price Each
019281	10	10.00
019282	15	12.50
019284	25	18.00
019286	50	30.00

TYPE T-19

Type T-19 terminal has the combination of tubular fuses and carbon arresters mounted on pressed steel panels, which are lined with fibre. Protectors are equipped with Type A-7 fuses, 5-ampere standard.

Trade No.	No. Pairs	Price Each
047759	10	8.00
047760	15	10.50
047762	25	15.00
047764	50	25.00

TYPE T-29

Trade No.	No. Pairs	Price Each
047752	10	4.50
047753	15	5.00
047755	25	6.00
047758	50	10.00

Above prices do not include protectors but connecting posts only for cable pairs, enabling the installation of the cable with the terminal. Terminals are arranged to take No. H-29 protector mounting which lists at \$0.45 per metallic pair complete.

JUNCTION BOXES AND TERMINALS COMBINED

Trade No.	Description	Price Each
019299	Junction box only, no hood.....	\$6.50
019300	Junction box for attaching terminal.....	6.50

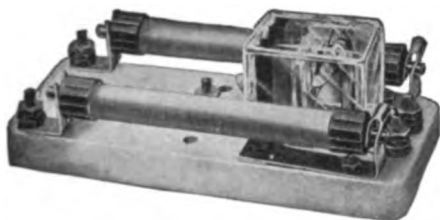
SELF-SOLDERING NOZZLES

Trade No.	Description	Price Each
019302	10 to 25-pair cable.....	.75
019303	30 to 50-pair cable.....	1.00
019304	60 to 100-pair cable.....	1.25
019305	Larger than 100-pair cable.....	1.50

Junction boxes can be furnished separate, Type JB, or combined with Type S terminals. If desired, junction boxes may be installed and terminals added at any future time. To get price of combination terminals and junction boxes, add price of self-soldering nozzles required to price of the particular size and style of junction box and terminal wanted.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

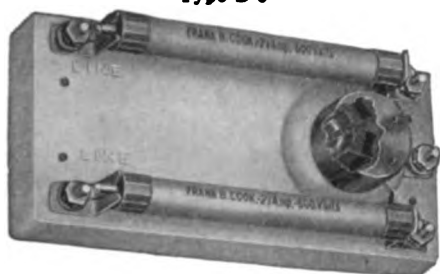
COOK TELEPHONE PROTECTORS



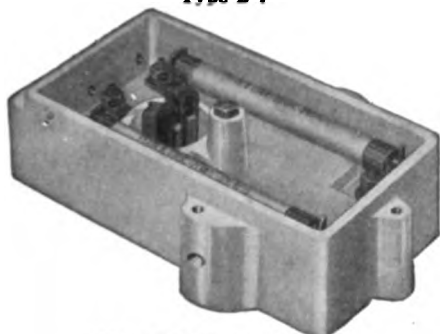
Type B-4



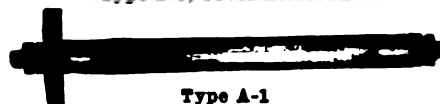
Type B-6



Type B-7



Type B-9, Cover Removed



Type A-1



Type A-7



Type A-9



Type A-12

TYPE B-4

Equipped with Type A-9 standard 3-ampere tubular fuses, $4\frac{3}{4}$ inches long, and with improved carbon lightning arresters. Also equipped with sensitive composition heat coils when such coils are required by the Underwriters' National Electric Association.

The carbons and heat coils are protected by a heavy glass cover.

Trade No.	Type No.	Description	Price Each
014375	B-4	Complete with heat coils	\$1.00
014376	B-4	Without heat coils.....	.85

TYPE B-6

Equipped with Type A-12 standard 3-ampere tubular fuses, 3 inches long, and with self-cleaning lightning arresters, but without heat coils. Furnished with locknut binding posts.

014377	B-6	Complete55
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TYPE B-7

Equipped with Type A-9 standard 3-ampere tubular fuses, $4\frac{3}{4}$ inches long, and with self-cleaning carbon lightning arresters. The carbons are set into the porcelain base and are covered by a brass cap. The cap is perforated to allow for the expansion of heated air, and insulated from all parts of the protector.

014378	B-7	Complete75
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TYPE B-9

Designed to be used either for indoor or outdoor protection; is absolutely weatherproof under the most severe conditions.

Equipped with Type A-9 standard 3-ampere tubular fuses, and specially treated carbon lightning arresters.

014379	B-9	Complete, including cover	1.00
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TUBULAR FUSES

Standard 2½ or 5-Ampere

Type A-1

Vertical line fuse. Wood with brass ends, mountings and units.

Trade No.	Length Inches	Price Each
014380	$4\frac{1}{2}$	\$0.15

Type A-7

Wood fuse with copper ends. For use with protector strips or pole cable terminals.

014381	$4\frac{3}{4}$.10
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Type A-9

Composition fuse, for use with Types B-4, B-7, B-8 and B-9 subscribers' station protectors, or with pole cable terminals. Does not give a flash and does not continue the arc when blown.

014382	$4\frac{3}{4}$.12
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Type A-12

Composition fuse for use with Types B-5 and B-6 substation protectors.

014383	3	.12
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SELF-SOLDERING POT HEADS

COOK POT HEADS

Made of a solid piece of seamless copper tubing, in all standard sizes, embodying the well-known feature of the self-soldering nozzles that have been supplied with Cook Terminals and Junction Boxes, and have given universal satisfaction.

In ordering, specify outside diameter of cable upon which they are to be used.



Trade No.	Outside Diameter Inches	Length Inches	Price Each	Trade No.	Outside Diameter Inches	Length Inches	Price Each
41170	1¼	14	....	41187	2½	24	....
41171	1¼	16	....	41188	3	14	....
41172	1¼	18	....	41189	3	16	....
41173	1½	14	....	41190	3	18	....
41174	1½	16	....	41191	3	20	....
41175	1½	18	....	41192	3	22	....
41176	1½	20	....	41193	3	24	....
41177	2	14	....	41194	3½	16	....
41178	2	16	....	41195	3½	18	....
41179	2	18	....	41196	3½	20	....
41180	2	20	....	41197	3½	22	....
41181	2	22	....	41198	3½	24	....
41182	2½	14	....	41199	4	18	....
41183	2½	16	....	41200	4	20	....
41184	2½	18	....	41201	4	22	....
41185	2½	20	....	41202	4	24	....
41186	2½	22	....	.....	...	..	....

MOON POT HEADS

Moon Self-Soldering Pot Heads consist of a seamless brass tube, of lengths indicated in the list, terminating in a Moon Self-Soldering Nozzle, similar to the nozzle used with all Moon Terminal Heads and Junction Boxes. The cable is first passed up through the nozzle, and the pot head slipped back on the cable out of the way. After the splice is made the pot head is slipped forward to place, covering the splice, and the joint with the cable sheath is formed by simply heating the nozzle with a blow torch.

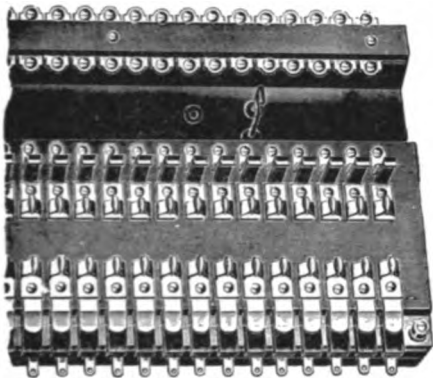


Trade No.	No. of Pair of Cable Wires	Inside Diam of Pot Head, In.	PRICE, EACH				
			LENGTH OF BRASS TUBE, INCHES				
			14	16	18	20	22
41203	5 to 15	1¼	\$1.14	\$1.18	\$1.21	....	....
41204	20 to 30	1½	1.50	1.55	1.60	1.65	....
41205	35 to 50	2	1.93	1.99	2.05	2.11	2.17
41206	60 to 100	2½	2.28	2.35	2.42	2.50	2.57
41207	125 to 175	3	2.80	2.88	2.96	3.05	3.13
41208	200 to 300	3½	....	3.61	3.73	3.86	3.98
41209	325 to 400	4	....	....	4.15	4.31	4.45

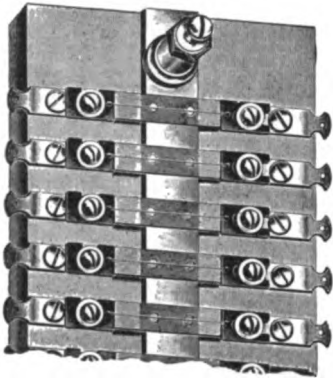
NOTE.—Always specify in ordering: Outside diameter or circumference of the cable; number of pair of cable wires; length of tube required in the pot head.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PROTECTOR STRIPS



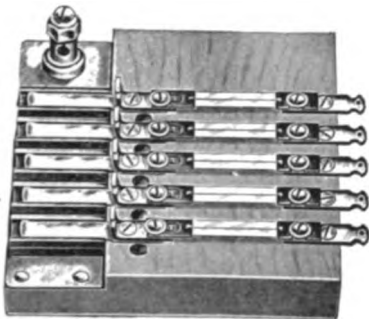
No. 133



No. 136

DISTRIBUTING BOARDS

These protectors are designed to be mounted on the wall and are for use in small exchanges. The protection on these protector boards is fuses with carbon lightning arresters, the fuses being held in place by heavy clips. They are furnished in any numbers of pairs desired. 25 and 50 pairs are standard.



No. 135

Trade No.	Mfrs. No.	Description	Price per Pair
012789	133	With fuses	\$0.56

MICA FUSE PROTECTOR STRIPS

The No. 136 strip is made with perforated postal fuse resting upon a brass ground strip. This is specially designed for use in cable boxes and as an office terminal. Made in any number of lines ordered.

The No. 135 is designed for the same purpose as No. 136, but is furnished with carbon lightning arrester instead of brass strip ground plates. Made in any number of lines ordered.

012790	136	Multiple fuse strip.....	.30
012791	135	Multiple fuse strip .....	.48

Prices do not include fuses.

TUBULAR FUSE PROTECTOR STRIPS

The No. 900 protector panel is a protector strip of tubular fuses and carbon lightning arresters, mounted on hard maple base boiled in oil. Furnished with an angle iron heel plate for mounting. The fuses are furnished of fibre or wood. Made in any size or number of lines desired.

The No. 992 protector is specially designed for protection against high tension electric current. The base is of oxidized steel, with the best grade of hard rubber and fibre insulation. The fuses are furnished of fibre or wood.

Standard sizes are five pair or any multiple thereof.

012792	900	Protector panel .....	.60
012793	992	Steel base toll lines protector.	1.50

Prices include fuses.



Section of No. 900



Section of No. 992

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PROTECTOR CUT-OUTS

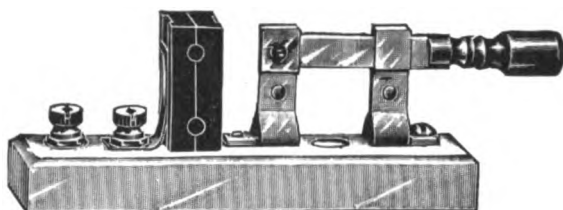


No. 501

No. 501

The No. 501 is a single-pole combined cut-out carbon lightning arrester and fuse block. Use No. 19 fuse.

Trade No.	Mfr. No.	Price Each
016387	501	Without fuses \$0.80

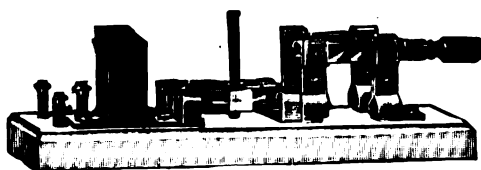


No. 511

No. 511

The No. 511 is a cut-out and carbon lightning arrester only, without fuses.

016388	511	Not fused	.60
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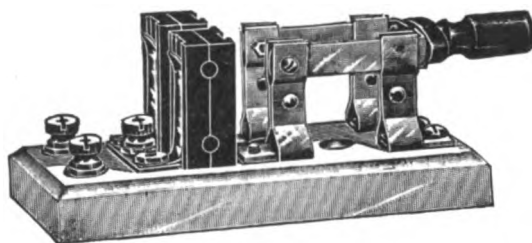


No. 500

No. 500

The No. 500 is a double-pole combined cut-out carbon lightning arrester and fuse block. Use No. 19 fuse.

016389	500	Without fuses	1.50
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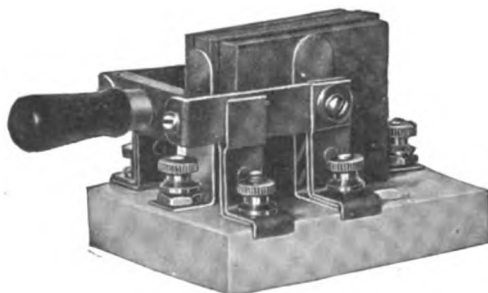


No. 512

No. 512

The No. 512 is to be used where only a carbon lightning arrester is desired with cut-out, the fuse being omitted.

016390	512	Not fused	1.20
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No. 406

No. 406

No. 406 is a perfect combination of old proven principles. A positive arrester. The carbons are not a part of the talking circuit.

093238	406	Without fuses
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No. 407

This is an arrester that for simplicity, durability, compactness and efficiency has no equal. It is the only arrester that can be used as a switch to connect two lines to one phone and yet afford a positive protection from both lines. This arrester cuts down your maintenance one-half and increases your protection 100 per cent.

093239	407	Without fuses
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PROTECTIVE FUSE BLOCKS



No. 18

SINGLE-POLE, W. U. STYLE

Takes No. 19 Fuse

Trade No.	Mfrs. No.	Description	Price Each
093343	18	Without fuse	\$0.18

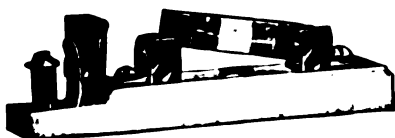


No. 20

SINGLE-POLE, POSTAL STYLE

Takes No. 21 Fuse

Trade No.	Mfrs. No.	Description	Price Each
093344	20	Without fuse	\$0.18



No. 42

SINGLE-POLE, W. U. STYLE

Takes No. 8 Fuse

Trade No.	Mfrs. No.	Description	Price Each
093345	42	Without fuse	\$0.24

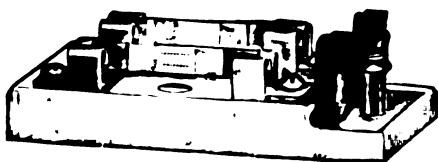


No. 47

SINGLE-POLE, POSTAL STYLE

Takes No. 11 Fuse

Trade No.	Mfrs. No.	Description	Price Each
093346	47	Without fuse	\$0.24

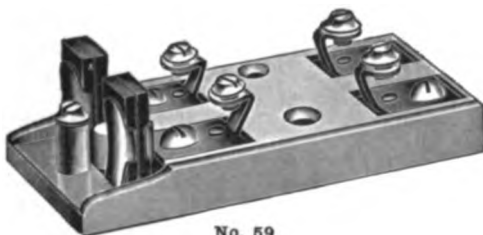


No. 57

DOUBLE-POLE, W. U. STYLE

Takes No. 8 Fuse

Trade No.	Mfrs. No.	Description	Price Each
093347	57	Without fuse	\$0.40

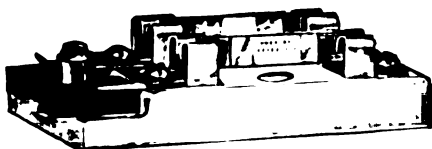


No. 59

DOUBLE-POLE, POSTAL STYLE

Takes No. 11 Fuse

Trade No.	Mfrs. No.	Description	Price Each
093348	59	Without fuse	\$0.40



No. 86

DOUBLE-POLE, W. U. STYLE

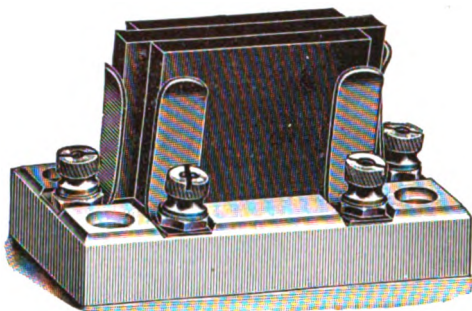
Takes No. 8 Fuse

Trade No.	Mfrs. No.	Description	Price Each
093349	86	Without fuse	\$0.40

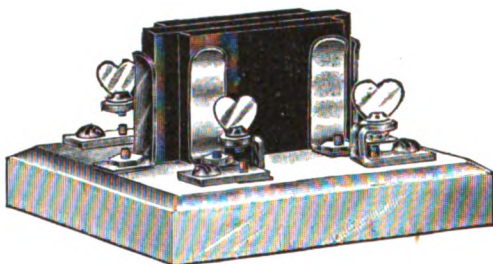
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LIGHTNING ARRESTERS

LIGHTNING ARRESTERS AND FUSE BLOCKS



No. 400



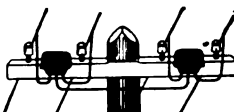
No. 403



No. 405



No. 41

Chapman
Lightning Arrester

Method of Installing

No. 400

The No. 400 protector was designed especially for toll line work and for other service where a large carbon lightning arrester without fuse is desired. It is a very efficient protector.

Trade No.	Mfrs. No.	Price Each
013536	400	Without fuses \$0.40

No. 403

Takes No. 11 Fuse

The No. 403 protector is the same as No. 400, excepting that Postal style fuses are mounted on the same block with the lightning arrester, and is equipped with wing nut contacts instead of the ordinary screws used on Postal style mountings.

Trade No.	Mfrs. No.	Price Each
013537	403	Without fuses \$0.70

No. 405

With Sealed Cover

The No. 405 protector is the same as No. 400, but is included within a porcelain cover, thus making it dustproof and free from liability of being tampered with. The cover may be sealed.

Trade No.	Mfrs. No.	Price Each
013538	405	Without fuses \$0.70

No. 41

Takes No. 19 Fuse

The No. 41 protector is a double-pole lightning arrester and fuse block. It is made for use on single and grounded lines.

Trade No.	Mfrs. No.	Price Each
013540	41	Without fuses \$0.24

CHAPMAN LIGHTNING ARRESTERS

For Telephone and Telegraph Lines

The Chapman Lightning Arrester is built for the protection of two wires or one metallic circuit, and consists of two heavy discharge plates with a short air gap to ground. By the peculiar arrangement of the plates and air gap, it will withstand the heaviest lightning discharges without deterioration or danger of grounding the line.

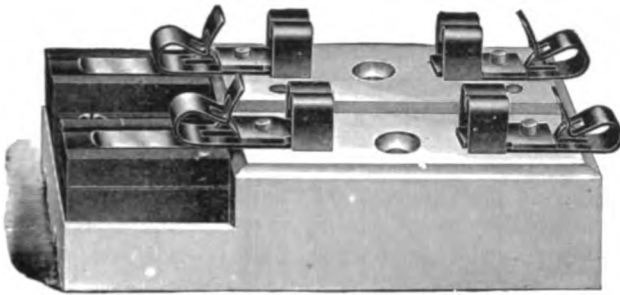
A toll line equipped with these arresters indirectly affords excellent protection to an exchange, as a large part of lightning trouble comes from the toll line connections.

Trade No.	Net Wt., Lbs.	Shipping Wt., Lbs.	Price Each
012746	2 $\frac{3}{4}$	3	\$2.50

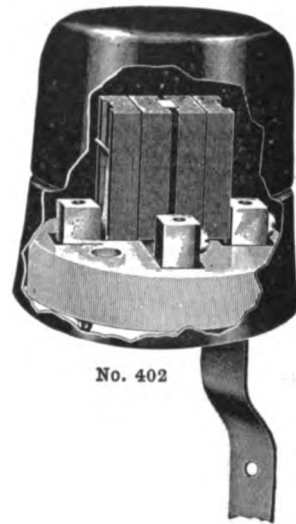
Each arrester is fitted with connecting wires 24 inches long, and is accompanied by full instructions for installing.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

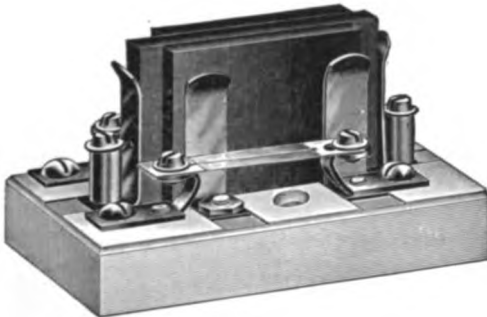
LIGHTNING ARRESTERS AND FUSE BLOCKS



No. 87



No. 402



No. 401

No. 87

Note the line wire binding posts. Fuse clips that insure perfect connection.

Trade No.	Mfr. No.	Price Each
126077	87	\$0.70

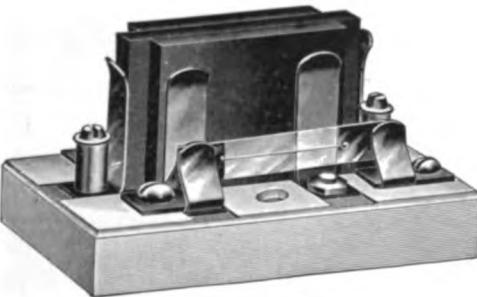
No. 402

The No. 402 protector is for outside use. It is positively waterproof, and lasts a lifetime.

126078	402	.80
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No. 401

126079	401	.70
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No. 404

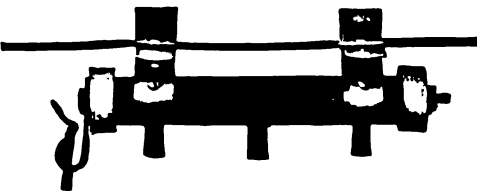
No. 404

Nos. 401 and 404 protectors are designed especially for toll line work, and for other service where large carbon lightning arresters are desired.

No. 401 requires No. 8 fuse, and No. 404 requires No. 11 fuse.

126080	404	.70
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No. 700



No. 700

The No. 700 arrester is self-cleaning; that is, the accumulation of carbon dust due to arcs is prevented by the employment of vents on the bottom of the brass shell through which any carbon dust is sifted out as the arrester swings upon the line wire.

012762	700	.70
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

SKYROCKET TELEPHONE SPECIALTIES

SKYROCKET LIGHTNING ARRESTERS



Skyrocket Lightning Arrester
With Case Cut Away Showing Coil Within

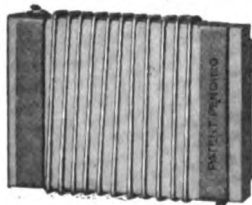
These are choke reactance arresters and can be installed on the service wire at the instrument, at the pole or along the line. The choke coil is made of the same size and kind of wire as the line it is to be used upon.

Made for Nos. 8, 10, 12 and 14 copper circuits and Nos. 10, 12 and 14 iron circuits. In ordering, always state the size and kind of line that the Skyrocket is to be used upon.

For Iron Circuits

Trade No.	PRICE, EACH			
	Less than 25	25 to 49	50 to 99	100 and Over
41606	\$0.65	\$0.60	\$0.55	\$0.50

For copper, add 5 cents each.



"400" Companion Coll, Type A

"400" COMPANION COILS

To be used in Place of the Line Carbons of a "400" Carbon Arrester

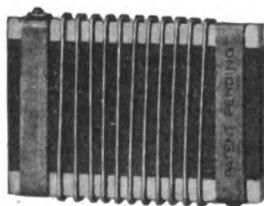
By the aid of the "400" Companion an old "400" can be converted into a choke coil arrester of very high efficiency. It is impossible to produce a partial ground on the line with the "400" Companion, because the wire presents a point or sharp edge surface to the carbon and will not collect or hold carbon particles separated from the ground block.

About one half of the wire used in the coil is in discharge contact with the ground block.

The "400" Companion is made in two forms or styles, viz.:

"400" Companion A. This style is simply a choke coil made from special non-arcing composition metal.

"400" Companion B. This style has an iron core and produces a very high choke reactance effect.



"400" Companion Coll, Type B

Type A

Trade No.	PRICE, EACH			
	Less than 25	25 to 49	50 to 99	100 and Over
41607	\$0.13	\$0.12	\$0.11	\$0.10

Type B

41608	.15	.14	.13	.12
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"400" COMPANION LIGHTNING ARRESTERS

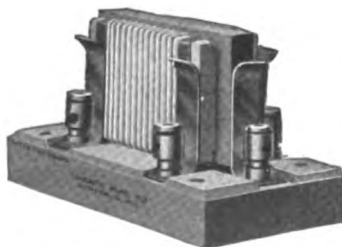
These arresters are recommended for toll line and rural service where arresters are required that can be depended upon.

Type A, Full Nickel-plated

Trade No.	PRICE, EACH			
	Less than 25	25 to 49	50 to 99	100 and Over
41609	\$0.45	\$0.43	\$0.42	\$0.40

Type B, Full Nickel-plated

41610	.49	.47	.46	.44
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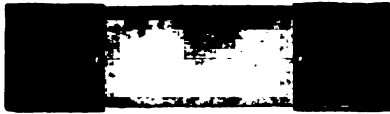


"400" Companion Arrester

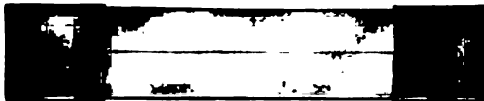
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TELEPHONE FUSES

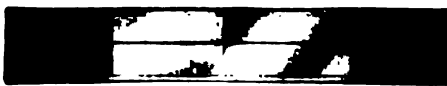
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



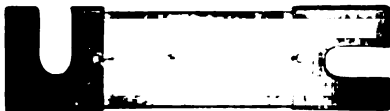
No. 19



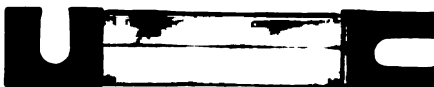
No. 22



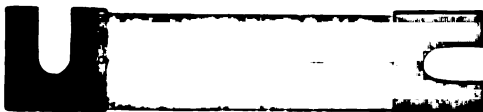
No. 8



No. 21



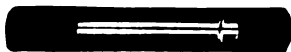
No. 11



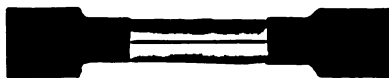
No. 25



No. 137



No. 5



No. 1 Veribest



Type W



Type Z



No. 10



No. 7

FUSES

Western Union Style

Trade No.	Fuse No.	Terminals	Price per 100
016372	19	Copper	\$2.50
016373	19	Foil	2.00
016374	22	Copper	2.50
016375	22	Foil	2.00
016376	8	Copper	2.50
016377	8	Foil	2.00

Postal Style

016378	21	Copper	2.50
016379	21	Foil	2.00
016380	11	Copper	2.50
016381	11	Foil	2.00
016382	25	Copper	2.50
016383	25	Foil	2.00
016384	137	Copper	2.50
016385	137	Foil	2.00

GLASS TUBULAR FUSES

Trade No.	Mfrs. No.	Type	Price per 100
089788	5	Tubular	\$2.50
089789	1	Veribest	2.50

PORCELAIN TUBULAR FUSES

The fuse tube is made of unglazed porcelain and contains three holes or channels for the wire, instead of the one hole of ordinary fuses. The wire is passed through the tube in one hole, then back again through a second hole and again back through the third hole, the two ends of the fuse wire then being exposed at opposite ends of the tube.

The fuse terminals are made in two pieces, a "ring" and a "head." The ring is permanently fastened to the porcelain tube, but the head is removable. The fuse wire is soldered to the ring, through a hole in the side, and then the heads are screwed into place in the rings. The unscrewing of the heads exposes the fuse wire for inspection or repair.

Trade No.	Type	Price per 100
089790	W	\$24.00

WOOD TUBULAR FUSES

Tubular fuses are made in a number of special types and designs for different classes of work. The Type Z fuse is the type used with approved protector blocks and in the cable terminals. No. 10 is designed for use in protector strips, and No. 7 is for outdoor use as a line fuse on the wires.

020203	Z	16.00
020204	10	16.00
020205	7	18.00

HEAT COILS

Trade No.	Heat coil	Price Each
089791	Heat coil	\$0.02½






State amperage desired, when ordering.



Heat Coil

STAPLES, CLEATS AND NAILS

BLAKE INSULATED STAPLES

				
No. 1	No. 3	No. 5	No. 6	No. 7
Trade No.	Mfrs. No.	Description	Size Inches	Price per 1000
011745	1	For hard wood	1/2	\$3.00
011746	3	For general use	3/4	3.00
011747	5	For hard wood	5/8	3.40
011748	6	For general use	3/4	3.40
011748A	7	For soft wood	7/8	3.40

Nos. 1 and 3 are for twisted pair and single wires. Nos. 5, 6 and 7 are for three-conductor and extra heavy twisted pair wire.

BLAKE CLEATS



Blake Cleats

Trade No.	Std. Pkg.	Price per 100
011744	100	\$0.70

For duplex wire
Made of compressed wood. The center partition protects the wire from the nail or screw.

LEATHER NAIL HEADS

011112	Price, per 1000	1.00
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PERFECTION INSULATED NAILS, PLAIN TOP

Trade No.	Mfrs. No.	Size of Shank, Inches	Price per 1000
011749	18	1/2	\$1.25
011750	18	5/8	1.25
011751	18	3/4	1.25

Furnished in light oak, dark oak, dark green and black.

PLAIN COPPER STAPLES, ROUND AND FLAT

Trade No.	Size Inches	Style	Price per Lb.
011113	3/8	Round top	\$0.30
011114	1/2	Round top	.30
55623	1/2	Flat top	.30



Round Square Copper Staples

EUREKA FIBRE INSULATORS

Large Round Head

Trade No.	Type	Color Fibre	Length Inches	Price per 1000
011739	1	Gray	3/4	\$2.50
011740	1	Black	3/4	2.50
011741	101	Gray	3/4	2.50
011743	102	Black	3/4	2.50

No. 1 types have polished brass heads, No. 101 type has oxidized head, and No. 102 type has black head.

Small Flat Head

	Type	Color	Length Inches	Price
017650	52	Gray	3/4	1.50
017651	52	Black	3/4	1.50
017652	62	Gray	7/8	1.50
017653	62	Black	7/8	1.50
017654	72	Gray	1	1.50
017655	72	Black	1	1.50

Insulated Nails

	Type	Color	Length Inches	Price
017656	31	Gray	5/8	1.30
017657	31	Black	5/8	1.30
017658	32	Gray	3/4	1.30
017659	32	Black	3/4	1.30

The rubber bushing bulges when nail is driven.



Round Head Insulators



Flat Head Insulators



Insulated Nails

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WIRE JOINTS

COOK SELF-WELDING CONNECTORS



Cook Self-Welding Connector

Copper Joints for Solid Wire

Trade No.	Size B. & S.	Lgth. In.	Wt. Lbs. per 100	Trade No.	Size B. & S.	Lgth. In.	Wt. Lbs. per 100
55771	0000	18	125	55808	6	6½	9
55772	000	16	75	55809	7	6	7
55773	00	14	63	55810	8	5½	5
55774	0	12	50	55811	9	4½	4½
55775	1	11	40	55812	10	4½	2½
55776	2	10½	30	55813	12	4½	1½
55777	3	8½	18	55814	14	4	1½
55778	4	8½	16	55815	16	3½	..
55779	5	7½	12½	.....	..	..	..

Copper Joints for Stranded Wire

55780	0000	20	150	55816	0	14	63
55781	000	18	125	55817	1	12	50
55782	00	16	75	55818	2	11	40



Before Twisting



After Twisting

Cook Joint

Steel Joints for Iron Wire

Trade No.	Size B.W.G.	Lgth. In.	Wt. Lbs. per 100	Trade No.	Size B.W.G.	Lgth. In.	Wt. Lbs. per 100
55783	6	8½	15	55819	11	4½	3½
55784	7	7½	12½	55820	12	4½	3
55785	8	7	10	55821	14	4½	1½
55786	9	6	7	55822	16	4	1
55787	10	5½	4	.....	..	..	..

HARVARD BEVEL EDGE SELF-WELDING CONNECTORS



Harvard Bevel Edge Connector

Copper Joints for Solid Wire

Trade No.	Size B. & S.	Lgth. In.	Wt. Lbs. per 100	Trade No.	Size B. & S.	Lgth. In.	Wt. Lbs. per 100
55788	1	12	39	55823	9	5½	4½
55789	2	9½	27½	55824	10	4½	4½
55790	4	9	17	55825	12	4½	2½
55791	6	6½	10½	55826	14	4½	1½
55792	8	5½	5½	55827	16	4	1½

Steel Joints for Iron Wire

Trade No.	Size B.W.G.	Lgth. In.	Wt. Lbs. per 100	Trade No.	Size B.W.G.	Lgth. In.	Wt. Lbs. per 100
55793	6	8½	15	55828	10	5	3½
55794	7	7½	12½	55829	12	4½	3½
55795	8	6	6½	55830	14	4½	2½
55796	9	5½	4½	55831	16	4	1½

RELIABLE DOUBLE TUBE CONNECTORS

Copper Joints for Solid Wire

Trade No.	Size B. & S.	Lgth. In.	Wt. Lbs. per 100	Trade No.	Size B. & S.	Lgth. In.	Wt. Lbs. per 100
55797	0000	20	125	55832	7	5½	8
55798	000	18	75	55833	8	5½	7½
55799	00	16	50	55834	9	5½	6
55800	0	14	44	55835	10	4½	3½
55801	1	12	31	55836	12	4	2½
55802	2	9½	20	55837	14	4	2
55803	4	6½	12½	55838	16	4	1½
55804	6	6½	10½	.....	..	..	..

Steel Joints for Iron Wire

Trade No.	Size B.W.G.	Lgth. In.	Wt. Lbs. per 100	Trade No.	Size B.W.G.	Lgth. In.	Wt. Lbs. per 100
55805	8	5½	6½	55839	12	4½	3½
55806	9	5½	5½	55840	14	4½	3
55807	10	5½	5½	.....	..	..	..



Before Twisting



After Twisting

Harvard Joint
Sectional View Showing Beveled Edge

Reliable Double Tube Connectors

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COPPER TEST CONNECTORS



Type OO Connector

Type AA
Two-Bolt ConnectorType BB
Two-Bolt ConnectorRitter
Safety Connector

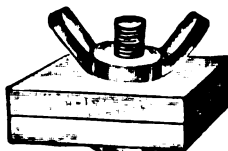
Universal, Fig. 1



Universal, Fig. 2

No. 7A
Sectional

No. 7A



No. 255

TYPE OO

Formed from heavy gauge hard rolled sheet copper and designed to hold rigidly wires of different gauges. Furnished plain for use on copper wire and galvanized for use on iron wire. Equipped with heavy head hexagon brass bolts with locknuts as standard, or furnished with wing nuts when specified.

Trade No.	Type	Style	Wt., Lbs. per 100	Price Each
41351	OO	One-bolt	2½	\$0.10
41352	OO	Two-bolt	8	.20

TYPE AA

Made in one and two-bolt sizes of special oval solid copper bars drawn to special dimensions, and furnished plain for copper or galvanized for use on iron wire.

So designed that they hold equally firmly two different sized wires, the oval copper forming a solid seat for heavy hexagon head bolts used. Wing nuts supplied on one-bolt size only, when so specified.

41353	AA	One-bolt	2½	.10
41354	AA	Two-bolt	8	.20

TYPE BB

Made in both one and two-bolt sizes of extra heavy cold-drawn copper bar, and furnished plain for use on copper wire or galvanized for use on iron wire. Equipped with heavy hexagon head brass bolt and locknut as standard, or wing nut when specified.

41355	BB	One-bolt	5	.12
41356	BB	Two-bolt	13	.25

RITTER SAFETY TEST CONNECTORS

The Safety Test Connectors are constructed of two heavy copper plates and a heavy copper wing nut, holes arranged so as to correspond with those in clamp plates through which one end of line wire is passed. This makes it impossible for connector to work loose. Lugs are formed on end of top plate through which one wire is passed. This prevents connector from dropping when loosened.

When attaching the connector to line, leave end which passes through lugs project 8 to 10 inches past end of clamp. Then form as shown in illustration.

Trade No.	Finish	Price Each
41358	Copper	\$0.22
41359	Tinned	.24

UNIVERSAL TEST CLAMPS

Fig. 1 shows clamp holding No. 22 and No. 10 wire. It will also hold any other combination of wires of different sizes.

Fig. 2 shows top plate next to wing nut reversed one half turn. It will then fit any two wires of the same size from No. 22 to No. 8 wire.

Trade No.	Price Each
41357	Universal, for Nos. 8 to 22 wire..... \$0.15

HARVARD COPPER TEST CONNECTORS

They securely grip wires of the same or different sizes. The convex surface allows the clamp to readily adjust itself.

Trade No.	Mfrs. No.	Style	Price Each
028504	7A	One-bolt, plain.....	\$0.10
069007	7A	One-bolt, tinned.....	.11
028505	255	One-bolt, wing nut, plain.....	.12
028506	255	One-bolt, wing nut, tinned.....	.13
028507	257	Two-bolt, wing nut, plain.....	.20
028508	257	Two-bolt, wing nut, tinned.....	.21

Tinned connectors are for use with iron wire.

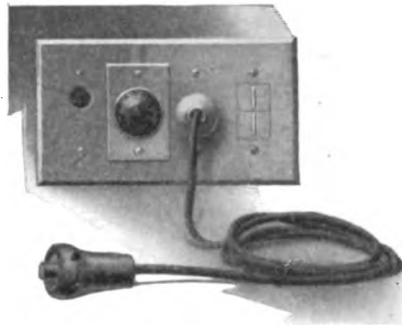
Plain connectors are for use with copper wire.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BRYANT SILENT CALL SIGNAL SYSTEMS



No. 13 Calling Station



No. 16 Ward Calling Station

The Bryant System provides a means for transmitting a signal to one or as many points as desired, and the signals cannot be changed or effaced until the call has been answered at point of origin. Positive record may also be obtained as to the origin of and response to calls as made.

The use of auxiliary devices may also be provided for at the calling station, as shown in the illustrations.

The following exclusive features of the Bryant Silent Call Signal System are worthy of consideration by anyone at all interested in such installations:

Operates direct on 100-125 volts direct or alternating current, without relays, motor generators, transformers or auxiliary apparatus of any kind.

The wires of the Bryant System are usually installed in the same raceways with the house lighting circuits, and all parts of the system were designed with an ample margin of safety.

The "call-push" and cord to calling station become "dead" simultaneously with the registration of the call. Besides the circuit fuses regularly employed, there are fuses in the detachable plug which protect both wires of the cord. This provides an element of safety not found in any other system and affords absolute protection against the liability of shock due to worn cords, short circuits, grounds or other possible electrical trouble.

The extension cord is extremely flexible, being specially manufactured for the purpose. Each wire is heavily insulated with rubber, and the two conductors are then surrounded with additional rubber insulation, the whole being protected by a heavy braid of cotton. This insures uninterrupted service under the most severe conditions.

Plug receptacles for current-consuming devices, such as fan motors, heating pads, reading lamps, etc., may be made a part of the calling station plates.

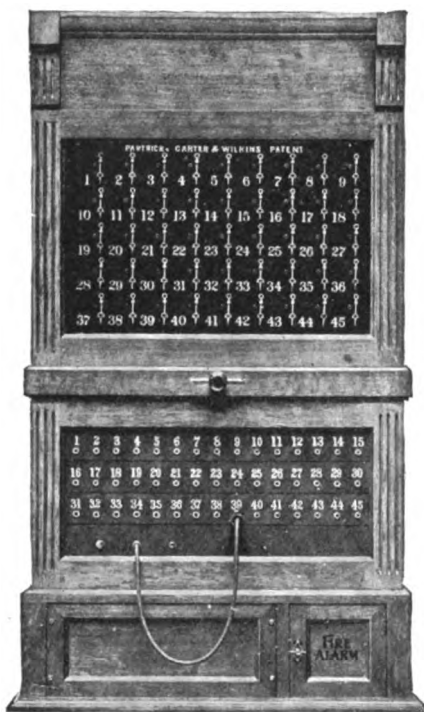
Current for operating the system may be taken from lighting panel boards instead of from centralized source of energy, such as a low voltage motor generator or storage battery. This simplifies and cheapens the whole electrical layout by eliminating the double distributing systems and by reducing the amount of copper necessary with low voltages.

Cost of operation is negligible, since current is consumed only during the time signal lamps are lighted, and these consume less than 10 watts each.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & W TELEPHONE ANNUNCIATORS

STYLE E



Telephone annunciators are similar in appearance to the Return Call Annunciators, the difference being in the use of plug holes instead of pushes.

The operation of the system is as follows: To call the office from room simply press the push on room set. This indicates on annunciator the point from which the call is made. The attendant at the annunciator simply inserts a plug in the corresponding room number on the telephone board and answers call by pushing button located on the annunciator. When the room bell rings, the person in room takes receiver off the hook and proceeds with conversation.

When plug is in position on board, no other room can hear the conversation, but should a call come in from any room, it would indicate on the annunciator.

To call a room, insert plug in hole corresponding to point desired and press push on annunciator. There is only one push on the annunciator, not a separate push for each indication. The attendant at annunciator can always tell if room bell is ringing by holding office telephone receiver to the ear. Should receiver be left off hook in any room, the office would know it, as the bell would not be heard vibrating at office telephone receiver.

This system can be made intercommunicating by using an extra set of plugs and extra battery. When used for intercommunicating, it does not interfere with the calling or talking on any other portion of the system. No conversation can be heard outside of those in communication. When conversation is finished, a visual signal notifies attendant.

All annunciators are made without intercommunicating plugs or fire alarm attachment, unless otherwise specified in order.

The telephone annunciator is of itself a return call system, the operation being the same except that instead of pushing a separate button for each number on the return call board, the attendant at the annunciator simply inserts a plug in the proper receptacle and presses the one button on the board.

The advantage of installing the telephone annunciator is that, if it is desired, to put in telephone sets in any rooms it can be done by simply removing the combination bells and installing telephones without any change in the wiring.

In ordering combination bells for use with telephone annunciators, be sure to mention the fact on order.

Telephone annunciators are wired for system using two direct and one battery wire.

Trade No.	ARRANGEMENT OF NEEDLES			Price Each
	Number	Down	Across	
39799	40	5	8	\$105.00
39800	45	5	9	110.00
39801	50	5	10	120.00
39802	60	6	10	140.00
39803	70	7	10	160.00
39804	80	8	10	180.00
39805	90	9	10	200.00
39806	100	10	10	220.00

Intercommunicating plugs with lamp clearing out signal, per set. 10.00

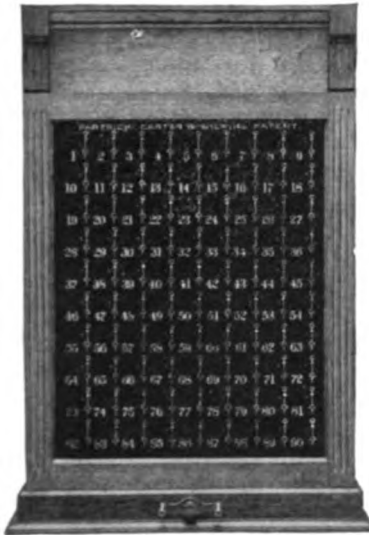
Simplified fire alarm attachment. 24.00

Annunciators are equipped with one direct plug and operator's set.

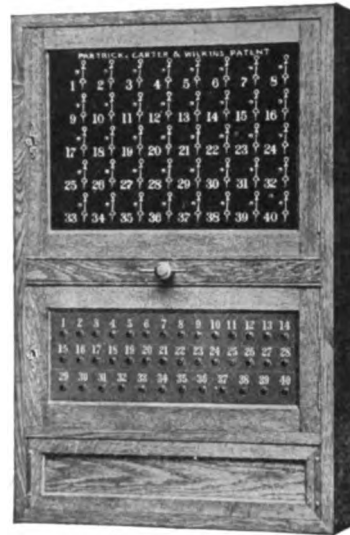
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & W ANNUNCIATORS

HOTEL, STYLE E, AND SKELETON CASE



Plain



Skeleton Case

DIMENSIONS—PLAIN

			Style E			Skeleton		
ARRANGEMENT OF NEEDLES	SIZE OF CASE, INCHES		SIZE OF CASE, INCHES			SIZE OF CASE, INCHES		
Number	Down	Across	Height	Width	Depth	Height	Width	Depth
40	8	5	32	18	7 $\frac{1}{4}$	31 $\frac{1}{2}$	16 $\frac{1}{2}$	5 $\frac{1}{2}$
45	9	5	35	18	7 $\frac{1}{4}$	33 $\frac{1}{2}$	16 $\frac{1}{2}$	5 $\frac{1}{2}$
50	9	6	35	20	7 $\frac{1}{4}$	33 $\frac{1}{2}$	18 $\frac{1}{2}$	5 $\frac{1}{2}$
60	10	6	37	20	7 $\frac{1}{4}$	36	18 $\frac{1}{2}$	5 $\frac{1}{2}$
70	10	7	37	22	7 $\frac{1}{4}$	36	20 $\frac{1}{2}$	5 $\frac{1}{2}$
80	10	8	37	24	7 $\frac{1}{4}$	36	22 $\frac{1}{2}$	5 $\frac{1}{2}$
90	10	9	37	26	7 $\frac{1}{4}$	37	24 $\frac{1}{2}$	5 $\frac{1}{2}$
100	10	10	37	28	7 $\frac{1}{4}$	37	26 $\frac{1}{2}$	5 $\frac{1}{2}$

DIMENSIONS—RETURN CALL

40	5	8	44	24	7 $\frac{1}{4}$	36 $\frac{3}{4}$	22 $\frac{1}{2}$	5 $\frac{1}{2}$
45	5	9	44	26	7 $\frac{1}{4}$	36 $\frac{3}{4}$	24 $\frac{1}{2}$	5 $\frac{1}{2}$
50	5	10	44	28	7 $\frac{1}{4}$	36 $\frac{3}{4}$	26 $\frac{1}{2}$	5 $\frac{1}{2}$
60	6	10	48	28	7 $\frac{1}{4}$	41	26 $\frac{1}{2}$	5 $\frac{1}{2}$
70	7	10	52	28	7 $\frac{1}{4}$	45 $\frac{1}{2}$	26 $\frac{1}{2}$	5 $\frac{1}{2}$
80	8	10	55	28	7 $\frac{1}{4}$	48 $\frac{1}{2}$	26 $\frac{1}{2}$	5 $\frac{1}{2}$
90	9	10	58	28	7 $\frac{1}{4}$	51 $\frac{3}{4}$	26 $\frac{1}{2}$	5 $\frac{1}{2}$
100	10	10	62	28	7 $\frac{1}{4}$	57	26 $\frac{1}{2}$	5 $\frac{1}{2}$

PRICES

Style E					Skeleton				
PLAIN			RETURN CALL		PLAIN			RETURN CALL	
No. of Needles	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each	
40	40227	\$62.00	40235	\$ 96.00	40251	\$62.00	40259	\$ 96.00	
45	40228	64.00	40236	100.00	40252	64.00	40260	100.00	
50	40229	70.00	40237	110.00	40253	70.00	40261	110.00	
60	40230	80.00	40238	125.00	40254	80.00	40262	125.00	
70	40231	90.00	40239	145.00	40255	90.00	40263	145.00	
80	40232	100.00	40240	160.00	40256	100.00	40264	160.00	
90	40233	115.00	40241	180.00	40257	115.00	40265	180.00	
100	40234	125.00	40242	200.00	40258	125.00	40266	200.00	

Simplified fire alarm to return call annunciators, \$24.00.

Hotel annunciators requiring numbers between those specified above, will be charged for at the rate per number given for the next nearest number listed, and indicating needles arranged according to our best judgment.

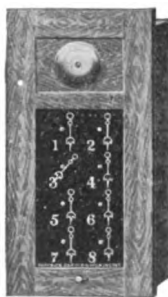
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & W ANNUNCIATORS

HOUSE STYLE, FLUSH CASE

Made in sizes from 6 to 40 numbers, and other sizes to order. In any of the standard woods.

Made also to order with sheet metal front.



8-needle, Flush, Plain

PLAIN

Trade No.	ARRANGEMENT OF NEEDLES			SIZE OF WALL BOX, INCHES			Price Each
	Number	Down	Across	Height	Width	Depth	
39811	6	3	2	12 $\frac{5}{8}$	6 $\frac{5}{8}$	3 $\frac{1}{4}$	\$12.00
39812	8	4	2	14 $\frac{5}{8}$	6 $\frac{5}{8}$	3 $\frac{1}{4}$	14.00
39813	10	5	2	16 $\frac{5}{8}$	6 $\frac{5}{8}$	3 $\frac{1}{4}$	16.00
39814	12	4	3	16 $\frac{1}{8}$	8 $\frac{5}{8}$	3 $\frac{1}{4}$	18.00
39815	16	4	4	16 $\frac{1}{8}$	10 $\frac{5}{8}$	3 $\frac{1}{4}$	22.00
39816	20	5	4	18 $\frac{1}{8}$	10 $\frac{5}{8}$	3 $\frac{1}{4}$	28.00
39817	25	5	5	21 $\frac{1}{8}$	12 $\frac{5}{8}$	3 $\frac{1}{4}$	33.00
39818	30	6	5	23 $\frac{1}{8}$	12 $\frac{5}{8}$	3 $\frac{1}{4}$	39.00
39819	35	7	5	25 $\frac{1}{8}$	12 $\frac{5}{8}$	3 $\frac{1}{4}$	44.00
39820	40	8	5	27 $\frac{1}{8}$	12 $\frac{5}{8}$	3 $\frac{1}{4}$	50.00

RETURN CALL

39821	6	3	2	19 $\frac{3}{4}$	6 $\frac{5}{8}$	3 $\frac{1}{2}$	22.00
39822	8	4	2	21 $\frac{3}{4}$	6 $\frac{5}{8}$	3 $\frac{1}{2}$	24.00
39823	10	5	2	25 $\frac{3}{4}$	6 $\frac{5}{8}$	3 $\frac{1}{2}$	26.00
39824	12	4	3	23 $\frac{3}{4}$	8 $\frac{5}{8}$	3 $\frac{1}{2}$	30.00
39825	16	4	4	23 $\frac{3}{4}$	10 $\frac{5}{8}$	3 $\frac{1}{2}$	37.00
39826	20	4	5	23 $\frac{3}{4}$	12 $\frac{5}{8}$	3 $\frac{1}{2}$	42.00
39827	25	5	5	30 $\frac{1}{4}$	12 $\frac{5}{8}$	3 $\frac{1}{2}$	53.00
39828	30	5	6	30 $\frac{1}{4}$	14 $\frac{5}{8}$	3 $\frac{1}{2}$	63.00
39829	35	5	7	30 $\frac{1}{4}$	16 $\frac{5}{8}$	3 $\frac{1}{2}$	73.00
39830	40	5	8	30 $\frac{1}{4}$	18 $\frac{5}{8}$	3 $\frac{1}{2}$	82.00

TELEPHONE

39833	10	5	2	31 $\frac{1}{4}$	6 $\frac{5}{8}$	3 $\frac{1}{2}$	38.00
39834	12	4	3	27 $\frac{1}{4}$	8 $\frac{5}{8}$	3 $\frac{1}{2}$	45.00
39835	16	4	4	27 $\frac{1}{4}$	10 $\frac{5}{8}$	3 $\frac{1}{2}$	47.00
39836	20	4	5	29 $\frac{1}{4}$	12 $\frac{5}{8}$	3 $\frac{1}{2}$	52.00
39837	25	5	5	32 $\frac{1}{4}$	12 $\frac{5}{8}$	3 $\frac{1}{2}$	63.00
39838	30	5	6	32 $\frac{1}{4}$	14 $\frac{5}{8}$	3 $\frac{1}{2}$	73.00
39839	35	5	7	32 $\frac{1}{4}$	16 $\frac{5}{8}$	3 $\frac{1}{2}$	83.00
39840	40	5	8	32 $\frac{1}{4}$	18 $\frac{5}{8}$	3 $\frac{1}{2}$	93.00

Fire alarm attachment to return call or telephone, \$21.00.

Intercommunicating plugs, per set, \$10.00.

Size of wall box subject to change if made with fire alarm or other attachments or inter-
vening numbers.

Flange extends beyond wall box, 1 inch all around.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & W ANNUNCIATORS HOUSE, STYLE H



Plain



Return Call



Telephone

The Style H have hinged backs and all connections are cabled to the back. Easily wired and fastened to wall. Cases have rounded corners.

Made in the following sizes and in any of the standard woods. Oak cases are carried in stock by the manufacturer.

PLAIN

Trade No.	ARRANGEMENT OF NEEDLES			Height	SIZE OF CASE, INCHES		Price Each
	Number	Down	Across		Width	Depth	
39851	6	3	2	12	7 $\frac{5}{8}$	4 $\frac{3}{4}$	\$11.00
39852	8	4	2	14	7 $\frac{5}{8}$	4 $\frac{3}{4}$	13.00
39853	10	5	2	16	7 $\frac{5}{8}$	4 $\frac{3}{4}$	15.00
39854	12	4	3	14 $\frac{1}{4}$	9 $\frac{5}{8}$	4 $\frac{3}{4}$	17.00
39855	16	4	4	14 $\frac{1}{4}$	11 $\frac{5}{8}$	4 $\frac{3}{4}$	20.00
39856	20	5	4	16 $\frac{1}{4}$	11 $\frac{5}{8}$	4 $\frac{3}{4}$	25.00
39857	25	5	5	16 $\frac{1}{4}$	13 $\frac{5}{8}$	5	30.00
39858	30	6	5	18 $\frac{3}{4}$	13 $\frac{7}{8}$	5	36.00
39859	35	7	5	20 $\frac{3}{4}$	13 $\frac{7}{8}$	5	40.00
39860	40	8	5	22 $\frac{3}{4}$	13 $\frac{7}{8}$	5	46.00

Above 40 numbers, per number \$1.25.

RETURN CALL

39861	6	3	2	20 $\frac{1}{2}$	7 $\frac{5}{8}$	4 $\frac{3}{4}$	20.00
39862	8	4	2	22 $\frac{1}{2}$	7 $\frac{5}{8}$	4 $\frac{3}{4}$	22.00
39863	10	5	2	24 $\frac{1}{2}$	7 $\frac{5}{8}$	4 $\frac{3}{4}$	24.00
39864	12	4	3	22 $\frac{1}{2}$	9 $\frac{5}{8}$	4 $\frac{3}{4}$	28.00
39865	16	4	4	22 $\frac{1}{2}$	11 $\frac{3}{4}$	4 $\frac{3}{4}$	35.00
39866	20	4	5	24 $\frac{3}{4}$	13 $\frac{3}{4}$	5	40.00
39867	25	5	5	26 $\frac{3}{4}$	13 $\frac{3}{4}$	5	50.00
39868	30	5	6	27 $\frac{1}{2}$	15 $\frac{7}{8}$	5	60.00
39869	35	5	7	27 $\frac{1}{2}$	17 $\frac{7}{8}$	5	70.00
39870	40	5	8	27 $\frac{1}{2}$	19 $\frac{7}{8}$	5	78.00

Above 40 numbers, per number \$2.00.

TELEPHONE

39873	10	5	2	24 $\frac{1}{2}$	7 $\frac{5}{8}$	4 $\frac{3}{4}$	36.00
39874	12	4	3	22 $\frac{1}{2}$	9 $\frac{5}{8}$	4 $\frac{3}{4}$	43.00
39875	16	4	4	22 $\frac{1}{2}$	11 $\frac{3}{4}$	4 $\frac{3}{4}$	45.00
39876	20	4	5	24 $\frac{3}{4}$	13 $\frac{3}{4}$	5	50.00
39877	25	5	5	26 $\frac{3}{4}$	13 $\frac{3}{4}$	5	61.00
39878	30	5	6	27 $\frac{1}{2}$	15 $\frac{7}{8}$	5	71.00
39879	35	5	7	27 $\frac{1}{2}$	17 $\frac{7}{8}$	5	81.00
39880	40	5	8	27 $\frac{1}{2}$	19 $\frac{7}{8}$	5	91.00

Prices on larger size telephone annunciators quoted on application.

Fire alarm attachment to return call and telephone annunciators, \$24.00.

If made with fire alarm, size of case and arrangement of needles subject to change.

Intercommunicating plugs, per set, \$10.00.

When ordered intercommunicating can be made with visual (small lamp) or audible (buzzer) clearing out signal. All orders will be filled without fire alarm or intercommunicating attachment, unless specified in orders.

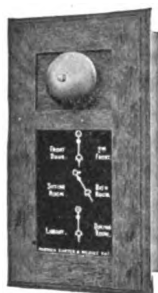
Operator's set included with telephone annunciator.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & W ANNUNCIATORS



Standard Automatic



Flush Automatic

Guarantee
Double RowGuarantee
Single Row

STANDARD AUTOMATIC SETBACK

Standard cases have hinged backs and all connections are cabled on back.

With the automatic self-setting annunciators only one, and that the last call, remains pointing, or indicating; each new call resets the pointer that indicated the previous call, no attention to the annunciator other than observing the dial when the call comes in being required.

In the automatic annunciators, except the 4-number, there is one needle for two indications. The 4-number is in single row, upright form.

Surface Case

Trade No.	ARRANGEMENT OF NEEDLES			SIZE OF STANDARD CASE, INCHES			Price Each
	Number	Down	Across	Height	Width	Depth	
39891	4	4	..	14	6 $\frac{1}{8}$	4 $\frac{5}{8}$	\$11.00
39892	6	3	..	12	7 $\frac{5}{8}$	4 $\frac{5}{8}$	13.00
39893	8	4	..	14	7 $\frac{5}{8}$	4 $\frac{5}{8}$	15.00
39894	10	5	..	16	7 $\frac{5}{8}$	4 $\frac{5}{8}$	17.00
39895	12	3	2	12 $\frac{1}{4}$	12 $\frac{1}{4}$	4 $\frac{3}{4}$	20.00
39896	16	4	2	14 $\frac{1}{4}$	12 $\frac{1}{4}$	4 $\frac{3}{4}$	24.00
39897	20	5	2	16 $\frac{1}{4}$	12 $\frac{1}{4}$	4 $\frac{3}{4}$	28.00

Flush Case

Trade No.	ARRANGEMENT OF NEEDLES			SIZE OF WALL BOX, INCHES			Price Each
	Number	Down	Across	Height	Width	Depth	
39898	4	4	..	14 $\frac{5}{8}$	5 $\frac{1}{8}$	3 $\frac{3}{8}$	\$11.00
39899	6	3	..	12 $\frac{5}{8}$	6 $\frac{5}{8}$	3 $\frac{3}{8}$	13.00
39900	8	4	..	14 $\frac{5}{8}$	6 $\frac{5}{8}$	3 $\frac{3}{8}$	15.00
39901	10	5	..	16 $\frac{5}{8}$	6 $\frac{5}{8}$	3 $\frac{3}{8}$	17.00
39902	12	3	2	12 $\frac{3}{4}$	11 $\frac{1}{4}$	3 $\frac{3}{8}$	20.00
39903	16	4	2	14 $\frac{3}{4}$	11 $\frac{1}{4}$	3 $\frac{3}{8}$	24.00
39904	20	5	2	16 $\frac{3}{4}$	11 $\frac{1}{4}$	3 $\frac{3}{8}$	28.00

Flange of frame extends beyond wall box, 1 inch all around.

Made in any of the regular woods; oak cases carried in stock.

The automatic annunciator will be furnished in larger sizes and other styles of cases to order. Flush cases made with sheet metal front to order.

GUARANTEE AUTOMATIC SETBACK

The Guarantee has exactly the same movement as the Standard. It is made only in oak and in four sizes.

The bell is fastened to hinged frame or front. There is one needle for two indications, except the 4-number, which is in single row, upright form, with a needle for each indication.

Trade No.	No. of Needles	SIZE OF CASE, INCHES			Price Each
		Height	Width	Depth	
39905	4	14 $\frac{3}{4}$	6 $\frac{1}{4}$	4	\$ 8.00
39906	6	12 $\frac{3}{4}$	7 $\frac{1}{2}$	4	10.00
39907	8	14 $\frac{3}{4}$	7 $\frac{1}{2}$	4	12.00
39908	10	16 $\frac{3}{4}$	7 $\frac{1}{2}$	4	14.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & W ANNUNCIATORS



Presto



Presto, Open



King



King, Open

Competition
4 Needles, OpenCompetition
8 NeedlesCompetition
12 Needles

None of the annunciators listed below require any catches or brackets to fasten to the wall. Opening hinged front, which holds glass frame and bell, permits easy access to washers for wiring, and makes a neat and substantial way of fastening annunciators to the wall; also permits easy access to bell movement. The case is dust and bug-proof and made of well finished oak.

PRESTO AUTOMATIC ANNUNCIATORS

Two-Point

Indication always shows last call.

Furnished with lettered or figured indications, as desired. All orders will be filled with indications marked 1-2, unless otherwise ordered.

Small buzzer can be placed on top of case for dining-room call.

Trade No.	Description	Height	Width	Depth	Price Each
39921	Without buzzer	6 $\frac{1}{2}$	4 $\frac{3}{8}$	3	\$3.50
39922	With buzzer	6 $\frac{1}{2}$	4 $\frac{3}{8}$	3	4.50

All orders filled without buzzer, unless specified.

KING ANNUNCIATORS

One Needle for Two Indications

Made in two sizes.

Trade No.	No. of Indications	Height	Width	Depth	Price Each
39923	2	6 $\frac{1}{2}$	4 $\frac{1}{2}$	3	\$3.50
39924	4	9 $\frac{1}{4}$	4 $\frac{1}{2}$	3	4.50

COMPETITION ANNUNCIATORS

Trade No.	ARRANGEMENT OF NEEDLES			SIZE OF CASE, INCHES			Price Each
	Number	Down	Across	Height	Width	Depth	
39928	3	3	1	14 $\frac{3}{4}$	6 $\frac{1}{4}$	4	\$ 6.00
39929	4	4	1	14 $\frac{3}{4}$	6 $\frac{1}{4}$	4	6.60
39931	6	3	2	12 $\frac{3}{4}$	7 $\frac{1}{2}$	4	8.00
39932	8	4	2	14 $\frac{3}{4}$	7 $\frac{1}{2}$	4	10.00
39933	10	5	2	16 $\frac{3}{4}$	7 $\frac{1}{2}$	4	12.00
39934	12	4	3	14 $\frac{3}{4}$	9 $\frac{1}{2}$	4	14.00
39935	15	5	3	16 $\frac{3}{4}$	9 $\frac{1}{2}$	4	17.00
39936	20	5	4	16 $\frac{3}{4}$	11 $\frac{1}{2}$	4	20.00
39937	25	5	5	16 $\frac{3}{4}$	13 $\frac{3}{4}$	4	25.00

Buzzer Attachment

An additional point can be made on the King or Competition Annunciator by placing one of the pocket buzzers on top of case.

Trade No.		Price Each
39927	Buzzer attachment	\$1.00

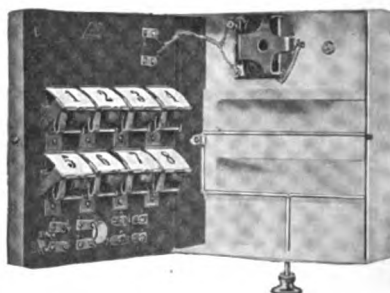
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDWARDS GRAVITY DROP ANNUNCIATORS

SAN-FER-ANN ANNUNCIATORS



Closed



Open

The San-Fer-Ann Annunciator has been designed to meet the demand for a form of construction that is normally sanitary and can be easily kept in a sanitary condition; and also for reliability of operation and service.

The special features which are predominant are the permanently hinged backboard, attached to which are the connectors and mechanism, in full view and ready access for quick and easy wiring, and complete installing of the annunciator.

The Ferro-Steel from which the case is made.

The attractive and sanitary whiteness of the enamel finish of the case.

The keyed slot for locking the backboard and case when the case is closed.

The strength of the backboard and its non-warping construction.

The twin-gong, nicked brass bell equipment on the front of the case.

The shallowness of the case, measuring only 2¼ inches from face to back.

The superiority of the drops as compared with types commonly placed in low-priced annunciators.

Rustproof metal has been used throughout. The drops are released by electrical contact only. Vibration or other influences will not cause them to give a false indication.

The bell has double magnets, locked adjustment and a pivoted armature. The operative mechanism for the bells is mounted inside of the case and is connected with the backboard mechanism by a flexible cable so that the bell is always in the circuit whether the case is open or shut, thus greatly facilitating either connecting or testing.

Finished in white enamel with nickel trimmings. All other finishes special.

Trade No.	No. of Drops	ARRANGEMENT OF DROPS		OUTSIDE DIMENSIONS, INCHES			Price Each
		Across	Down	Width	Height	Depth	
79784	2	2	1	7	4¾	2¾	\$4.00
79785	3	3	1	7	4¾	2¾	4.50
79786	4	4	1	7	4¾	2¾	5.00
79787	5	3	2	7	7¼	2¾	5.50
79788	6	3	2	7	7¼	2¾	6.00
79789	8	4	2	7	7¼	2¾	7.00
79790	10	5	2	8¾	7¼	2¾	8.00
79791	12	4	3	7	9	3¾	9.00

Dimensions do not include bell or reset rod, for which add 1¼ inches to height for reset rod and 1 inch to depth for bell.

13 to 24 drops, add to list per drop, \$0.90.

25 drops and over, add to 12-drop list, for each additional drop, \$1.80.

Letters on glass, up to 10 letters, \$0.65. Each additional letter, \$0.04.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & W ANNUNCIATORS



Style O
Concealed Bell



Style J, Upright
Concealed Bell



Return Call Board, with
Fire Alarm



Telephone Board, without
Fire Alarm

STYLE O ANNUNCIATORS

Handsomely finished case, heavy in appearance. Have hinged backs and cabled connections. Made in any of the standard woods. Concealed bell.

Trade No.	ARRANGEMENT OF NEEDLES			SIZE OF CASE INCHES			Price Each
	Number	Down	Across	Height	Width	Depth	
39951	8	2	4	14 $\frac{5}{8}$	15	7 $\frac{3}{4}$	\$22.00
39952	10	2	5	14 $\frac{5}{8}$	17	7 $\frac{3}{4}$	24.00
39953	12	4	3	19 $\frac{1}{8}$	13	7 $\frac{3}{4}$	26.00
39954	15	5	3	21 $\frac{3}{8}$	13	7 $\frac{3}{4}$	30.00
39955	16	4	4	19 $\frac{1}{8}$	15	7 $\frac{3}{4}$	34.00
39956	18	6	3	22 $\frac{5}{8}$	13	7 $\frac{3}{4}$	36.00
39957	20	5	4	21 $\frac{3}{8}$	15	7 $\frac{3}{4}$	38.00
39958	25	5	5	21 $\frac{3}{8}$	17	7 $\frac{3}{4}$	44.00

Made in special arrangement of needles and other sizes to order.

STYLE J ANNUNCIATORS—UPRIGHT

Plain finely finished cases with rounded corners. Especially adapted for hospital use. Cases have hinged backs and cabled connections. Made in any of the standard woods. Can be made in sheet metal cases to order.

39959	8	4	2	10 $\frac{1}{2}$	6 $\frac{5}{8}$	4 $\frac{3}{4}$	14.00
39960	10	5	2	12 $\frac{1}{2}$	6 $\frac{5}{8}$	4 $\frac{3}{4}$	16.00
39961	12	4	3	10 $\frac{1}{2}$	8 $\frac{5}{8}$	4 $\frac{3}{4}$	18.00
39962	15	5	3	12 $\frac{1}{2}$	8 $\frac{5}{8}$	4 $\frac{3}{4}$	21.00
39963	16	4	4	10 $\frac{1}{2}$	10 $\frac{5}{8}$	4 $\frac{3}{4}$	22.00
39965	20	5	4	12 $\frac{1}{2}$	10 $\frac{5}{8}$	5	27.00
39966	25	5	5	12 $\frac{1}{2}$	12 $\frac{5}{8}$	5	33.00
39967	30	6	5	14 $\frac{1}{2}$	12 $\frac{5}{8}$	5	38.00
39968	35	7	5	16 $\frac{1}{2}$	12 $\frac{5}{8}$	5	44.00
39969	40	8	5	18 $\frac{1}{2}$	12 $\frac{5}{8}$	5	50.00

Depth of case can be decreased if bell is located separate.

When ordering in intervening sizes we will use our best judgment in arrangement of indicating needles. For desk use setback handle can be placed on side of case at a small additional charge.

RETURN CALL AND TELEPHONE BOARDS

These boards are made in any of the regular or standard woods; it is always best to send small samples of finish of case in use and we will match as near as possible. Return call boards are made especially for use where annunciators are already installed. The above boards are made for use where the house will be wired as follows:—

For return call only two battery and one direct wire.

For return call and fire alarm one battery and two direct wires.

For telephone, with or without fire alarm, one battery and two direct wires.

In ordering, always state how house will be wired and give width and depth of case in use.

Prices quoted on application.

P & W ANNUNCIATORS

CAR



Style L

These annunciators have plain, smooth finished cases with rounded corners, concealed bells, hinged backs, and all connections are cabled on back. They are made in any of the standard woods. Depth of case can be decreased if bell is located separate. Impossible to make false indications by jarring of cars in turning sharp curves.

Style L—Landscape Form



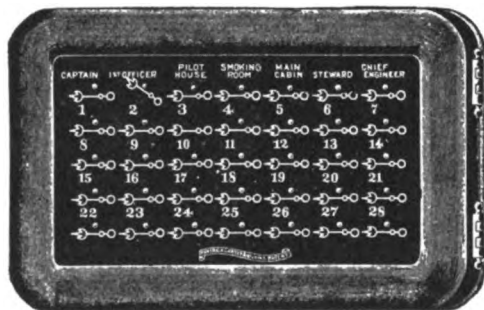
Style U

Trade No.	ARRANGEMENT OF NEEDLES			SIZE OF CASE, INCHES			Price Each
	Number	Down	Across	Height	Width	Depth	
40051	8	2	4	6	10 $\frac{7}{8}$	4 $\frac{3}{4}$	\$22.00
40052	10	2	5	6	13	4 $\frac{3}{4}$	24.00
40053	12	2	6	6	15 $\frac{1}{8}$	4 $\frac{3}{4}$	26.00
40054	14	2	7	6	17 $\frac{1}{4}$	4 $\frac{3}{4}$	28.00
40055	16	2	8	6	19 $\frac{3}{8}$	4 $\frac{3}{4}$	30.00
40056	18	2	9	6	21 $\frac{1}{2}$	4 $\frac{3}{4}$	34.00
40057	20	2	10	6	23 $\frac{5}{8}$	4 $\frac{3}{4}$	36.00
40058	21	3	7	7 $\frac{1}{2}$	17 $\frac{1}{4}$	4 $\frac{3}{4}$	38.00
40059	24	3	8	7 $\frac{1}{2}$	19 $\frac{3}{8}$	4 $\frac{3}{4}$	42.00
40060	30	3	10	7 $\frac{1}{2}$	23 $\frac{5}{8}$	4 $\frac{3}{4}$	50.00

Style U, Upright Form

Trade No.	ARRANGEMENT OF NEEDLES			SIZE OF CASE, INCHES			Price Each
	Number	Down	Across	Height	Width	Depth	
40061	8	4	2	9	6 $\frac{5}{8}$	4 $\frac{3}{4}$	20.00
40062	10	5	2	10 $\frac{1}{2}$	6 $\frac{5}{8}$	4 $\frac{3}{4}$	22.00
40063	12	6	2	12	6 $\frac{5}{8}$	4 $\frac{3}{4}$	24.00
40064	14	7	2	13 $\frac{1}{2}$	6 $\frac{5}{8}$	4 $\frac{3}{4}$	26.00
40065	16	8	2	15	6 $\frac{5}{8}$	4 $\frac{3}{4}$	28.00
40066	18	9	2	16 $\frac{1}{2}$	6 $\frac{5}{8}$	4 $\frac{3}{4}$	34.00
40067	20	10	2	18	6 $\frac{5}{8}$	4 $\frac{3}{4}$	36.00
40068	21	7	3	13 $\frac{1}{2}$	8 $\frac{3}{4}$	4 $\frac{3}{4}$	38.00
40069	24	8	3	15	8 $\frac{3}{4}$	4 $\frac{3}{4}$	40.00
40070	30	10	3	18	8 $\frac{3}{4}$	4 $\frac{3}{4}$	50.00

MARINE



Style R

Style R

The Style R is a finely finished, substantial case with rounded corners, hinged back and all connections cabled to back. Concealed bell. (Depth of case can be decreased if bell is located separate.)

Made in any of the standard woods. Also made in upright form if preferred.

Marine annunciators made to order in other styles of cases; also in the return call or telephone form with or without fire alarm.

Trade No.	ARRANGEMENT OF NEEDLES			SIZE OF CASE, INCHES			Price Each
	Number	Down	Across	Height	Width	Depth	
40071	35	5	7	15 $\frac{1}{2}$	21 $\frac{3}{4}$	6	\$64.00
40072	40	5	8	15 $\frac{1}{2}$	24	6	72.00
40073	45	5	9	15 $\frac{1}{2}$	26	6	80.00
40074	50	5	10	15 $\frac{1}{2}$	28 $\frac{1}{8}$	6	90.00
40075	60	6	10	17	28 $\frac{1}{8}$	6	110.00
40076	70	7	10	18 $\frac{1}{2}$	28 $\frac{1}{8}$	6	120.00
40077	80	8	10	20	28 $\frac{1}{8}$	6	140.00
40078	90	9	10	21 $\frac{1}{2}$	28 $\frac{1}{8}$	6	156.00
40079	100	10	10	23	28 $\frac{1}{8}$	6	170.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & W ANNUNCIATORS

ELEVATOR ANNUNCIATORS

Cases have hinged backs and all connections cabled to the back. Easy to connect up and handy to get at bells for adjustment.

OAK WOOD CASE—HORIZONTAL NEEDLE

Single Row

Trade No.	No. of Drops	Height	Size of Case, Inches Width	Depth	Price Each
40091	4	12 $\frac{1}{8}$	5 $\frac{1}{8}$	4	\$ 9.00
40092	5	13 $\frac{3}{8}$	5 $\frac{1}{8}$	4	10.00
40093	6	15 $\frac{1}{8}$	5 $\frac{1}{8}$	4	11.00
40094	7	16 $\frac{5}{8}$	5 $\frac{1}{8}$	4	12.00
40095	8	18 $\frac{1}{8}$	5 $\frac{1}{8}$	4	13.00
40096	9	19 $\frac{5}{8}$	5 $\frac{1}{8}$	4	14.00

Double Row

Trade No.	No. of Drops	Height	Size of Case, Inches Width	Depth	Price Each
40097	10	13 $\frac{3}{8}$	6 $\frac{5}{8}$	4	15.00
40098	12	15 $\frac{1}{8}$	6 $\frac{5}{8}$	4	17.00
40099	14	16 $\frac{5}{8}$	6 $\frac{5}{8}$	4	19.00
40100	16	18 $\frac{1}{8}$	6 $\frac{5}{8}$	4	21.00
40101	18	19 $\frac{5}{8}$	6 $\frac{5}{8}$	4	23.00
40102	20	21 $\frac{1}{8}$	6 $\frac{5}{8}$	4	25.00

Up and Down

Trade No.	No. of Floors	No. of Drops	ARRANGEMENT Up	Down	Price Each
40103	5	8	4	4	\$14.00
40104	6	10	5	5	16.00
40105	7	12	6	6	18.00
40106	8	14	7	7	20.00
40107	9	16	8	8	22.00
40108	10	18	9	9	24.00
40109	11	20	10	10	26.00
40110	12	22	11	11	28.00

Basement is counted as a floor.

All orders will be filled with our regular standard oak wood, and indications marked B-1 up, unless otherwise ordered.

SHEET METAL CASE—HORIZONTAL NEEDLE

Single Row

Trade No.	No. of Drops	Height	Size of Case, Inches Width	Depth	Price Each
40111	4	14 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	\$18.00
40112	5	14 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	19.00
40113	6	17 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	20.00
40114	7	17 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	22.00
40115	8	20 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	23.00
40116	9	20 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	24.00

Double Row

Trade No.	No. of Drops	Height	Size of Case, Inches Width	Depth	Price Each
40117	10	15 $\frac{1}{8}$	7	3 $\frac{3}{4}$	27.00
40118	12	16 $\frac{5}{8}$	7	3 $\frac{3}{4}$	29.00
40119	14	18 $\frac{1}{8}$	7	3 $\frac{3}{4}$	32.00
40120	16	19 $\frac{5}{8}$	7	3 $\frac{3}{4}$	36.00
40121	18	21 $\frac{1}{8}$	7	3 $\frac{3}{4}$	38.00
40122	20	22 $\frac{5}{8}$	7	3 $\frac{3}{4}$	42.00

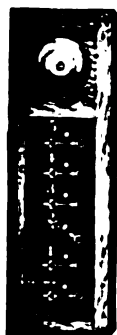
Up and Down

Trade No.	No. of Floors	No. of Drops	ARRANGEMENT Up	Down	Price Each
40123	5	8	4	4	\$24.00
40124	6	10	5	5	28.00
40125	7	12	6	6	30.00
40126	8	14	7	7	33.00
40127	9	16	8	8	37.00
40128	10	18	9	9	39.00
40129	11	20	10	10	43.00
40130	12	22	11	11	46.00

Basement is counted as a floor.

Large sizes to order.

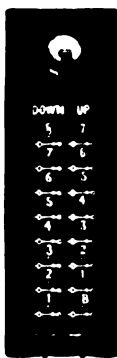
All metal elevator annunciators, dull black finish, unless otherwise ordered, and indications marked B-1 up.



Single Row
Wood



Double Row
Wood



Up and Down
Wood



Single Row
Metal



Double Row
Metal



Up and Down
Metal

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

P & W ANNUNCIATORS

BURGLAR ALARM ANNUNCIATORS



Style D, Flush



Style B, Alarm

These burglar alarms have substantial and finely finished cases. All switches are of the pull-out form and on front of case. All alarms have continuous ringing bells, silent test switch, battery test switch, general cut-off switch, outside bell switch.

Attachment can be made on alarms so that when alarm is operated it will light an automatic burner.

Special attachments to work in connection with alarm for lighting incandescent lamps can also be furnished.

Style B alarms have hinged backs. All connections cabled to back. Panel for switches is black finish, same as face plate.

Style D

No. of Needles	WITHOUT CLOCK Trade No.	Price Each	WITH No. 1 CLOCK Trade No.	Price Each	WITH No. 3 CLOCK Trade No.	Price Each
4	40141	\$28.00	40151	\$56.00	40161	\$60.00
6	40142	32.00	40152	60.00	40162	64.00
8	40143	36.00	40153	64.00	40163	68.00
10	40144	40.00	40154	66.00	40164	72.00
12	40145	44.00	40155	70.00	40165	76.00

Style B

4	40146	24.00	40156	48.00	40166	52.00
6	40147	28.00	40157	52.00	40167	56.00
8	40148	32.00	40158	56.00	40168	60.00
10	40149	36.00	40159	60.00	40169	64.00
12	40150	40.00	40160	64.00	40170	68.00

Size, Inches, of Wall Box, for Style D, Flush Alarm

No. of Needles	WITHOUT CLOCK Height	Width	Depth	WITH CLOCK Height	Width	Depth
4	17 $\frac{3}{4}$	8 $\frac{1}{2}$	3 $\frac{1}{2}$	28 $\frac{1}{4}$	12	5
6	17 $\frac{3}{4}$	8 $\frac{1}{2}$	3 $\frac{1}{2}$	28 $\frac{1}{4}$	12	5
8	17 $\frac{1}{2}$	11	3 $\frac{1}{2}$	28 $\frac{1}{4}$	14 $\frac{1}{2}$	5
10	17 $\frac{1}{2}$	13	3 $\frac{1}{2}$	28 $\frac{1}{4}$	16 $\frac{1}{2}$	5
12	20	11	3 $\frac{1}{2}$	30 $\frac{1}{2}$	14 $\frac{1}{2}$	5

Alarms made in any of the standard woods and larger sizes, to order.

ALARMS WITH CLOCK ATTACHMENTS

Style A

No. 1 attachment consists of a first-class 8-day movement for automatically switching off alarm at any desired hour. No extra wiring is required for this attachment.

No. 3 attachment is the same as No. 1, with the addition of servant's call and an automatic setback in which a button located in servant's room, on being pressed after call bell is rung, opens circuit on bell—no switch in servant's room being required. In this system, when the servant stops bell from ringing, it is automatically cut off until again reset the following night at alarm.

In wiring for No. 3 attachment, run three wires from alarm to servant's room.

Style A
With Clock Attachment

No. of Needles	WITHOUT CLOCK ATTACHMENT Trade No.	Price Each	WITH No. 1 CLOCK ATTACHMENT Trade No.	Price Each	WITH No. 3 CLOCK ATTACHMENT Trade No.	Price Each
4	40173	\$35.00	40178	\$56.00	40183	\$60.00
6	40174	38.00	40179	60.00	40184	64.00
8	40175	42.00	40180	64.00	40185	68.00
10	40176	46.00	40181	66.00	40186	70.00
12	40177	50.00	40182	70.00	40187	74.00

Trade No.	Description	Price Each
40171	Automatic burner attachment.....	\$4.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Type S Industrial Klaxon



Type L Industrial Klaxon



Type W Industrial Klaxon



Type WS Industrial Klaxon



Type S Industrial Klaxonet



Type L Industrial Klaxonet



Type WS Industrial Klaxonet



Type WL Industrial Klaxonet

KLAXON INDUSTRIAL HORNS

FOR FACTORIES, MILLS, MINES, ETC.

As a signal for industrial purposes, the Klaxon is powerful and penetrating. It is effective where gongs cannot be heard. One Klaxon can do the work of a number of gongs, thus cutting the cost of both apparatus and wiring.

Industrial Klaxons are used in factories as fire alarms in connection with any system, as calling signals, as time signals, as power house and engine-room signals, on cranes, derricks and other moving machinery, in schools, hotels, mines and quarries, on street corners, railroads and as burglar alarms.

Klaxons are usually installed in multiple on lighting circuit or storage batteries. They are not designed for continuous operation in one blast for long periods of time nor can they be depended upon to carry more than quarter of a mile out of doors under adverse weather conditions. Spring push buttons or contact-makers must be used in all cases.

INDUSTRIAL KLAXONS

Types S and L

Type S is approved by the New Jersey Department of Labor, for use under State fire alarm regulations. Standard type for general interior use. Type L, long projector, gives slightly greater carrying power.

Trade No.	Description	Price Each
51901	Type S, short projector	\$20.00
51902	Type L, long projector	20.00

Types W and WL

Type W is designed for out-of-door use. Absolutely weather-proof. Terminals enclosed in watertight case tapped at top and bottom for conduit. Projector pointed downward to protect diaphragm. Mechanically similar to other types.

Type WL has a long, straight projector and has slightly greater carrying power.

51903	Type W, downward pointing projector	20.00
51904	Type WL, long, straight projector	20.00

Type WS

Similar to Type W, except with short projector. For interior use where wiring must be carried in conduit.

51905	Type WS, short projector	20.00
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INDUSTRIAL KLAXONETS

The Klaxonet is a smaller Klaxon. Its note is higher in pitch, less in carrying power. For interior use where more powerful Klaxon is not necessary.

Type S is approved by the New Jersey Department of Labor; Type WS by the New York State Industrial Board for fire alarm service.

51906	Type S, short projector	15.00
51907	Type L, long projector	15.00
51908	Type WS, short projector with conduit box	15.00
51909	Type WL, long projector with conduit box	15.00

All types are enameled standard fire red and comply with the requirements of the National Board of Fire Underwriters. Prices given above are for voltages up to 21 D. C.

Special Voltages

Additional charges are made as follows for windings above 21 volts D. C.

25 volts	\$1.00	70 and 75 volts	\$3.50
30 and 35 volts	1.50	80 and 85 volts	4.00
40 and 45 volts	2.00	90 and 95 volts	4.50
50 and 55 volts	2.50	100, 110 and 120 volts	5.00
60 and 65 volts	3.00	220, 230 or 240 volts, 60 cycles	25.00
110 and 120 volts A.C. 60, 40, 30 or 25 cycles			22.50

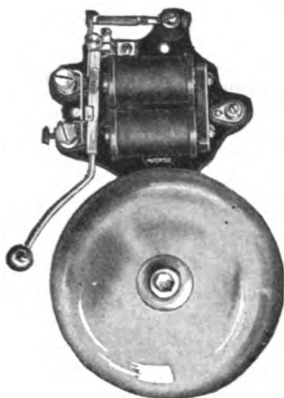
Klaxons can be wound for voltages up to 120 D. C. or 240 A. C.; Klaxonets up to 60 volts D. C. and 110 volts 60 cycles A. C.

Satisfactory operation on higher voltages may be effected by using an inexpensive resistance coil to cut down the voltage.

Approximate watt consumption, direct current: Klaxon, 50; Klaxonet, 20. At 110 volts 60 cycles: Klaxon, 95; Klaxonet, 50. For series operation on closed circuits, direct current: Klaxon, 50 watts, 7½ amperes; Klaxonet, 20 watts, 3½ amperes.

FARADAY SKELETON BELLS

MODEL O, VIBRATING TYPE FOR BATTERY CIRCUITS



Cannot be used on A. C. Circuits
DECISIVE POINTS OF SUPERIORITY

HIGH-POWER ARMATURE.—Patented high-power armature allows the keeping of armature in magnetic field up to the moment of striking the gong—twice the power of any other skeleton mechanism made.

BREAKAGE OF SPRINGS CANNOT DISABLE BELL.

INSULATED MECHANISM.—Frame of bell carries no current at any time, as entire electrical mechanism is insulated from frame casting. Bells may be mounted on metal without fear of grounding.

SOLID BACK.—Solid back prevents dampness from getting into insulation washers on back of bell, or affecting magnet windings. All insulation washers sealed in with waterproof wax.

LOCKING SIDE-CONTACT POST.—The patented split-section side-contact post compresses both sections against thread of contact screw and positively locks with cone cap piece having taper thread; no injuring of screw thread, and adjusting to a thousandth of inch assured at all times.

SOLID TRUNNION FRAME.—Solid trunnion frame cannot work loose or move in any direction. Improved split section, replacing old locknut on trunnion frame, compresses against upper trunnion screw, and no amount of jarring can loosen the upper bearing.

CYLINDRICAL TRUNNION BEARINGS, EXTRA HEAVY CYLINDRICAL TYPE.—There is no possibility of armature breaking away from either upper or lower bearing, as in other makes; construction utilizes full strength of both upper and lower trunnion frame casting.

NON-TURNING CONTACT AND BINDING POSTS.—Non-turning and non-loosening binding posts equipped with split steel lock-washers prevent connections from ever jarring loose.

CONTACT POINTS.—Contact points are made of platinoid or pure platinum, as specified, and are always plainly marked on both screw and spring. Platinoid contacts furnished, unless otherwise specified.

Skeleton Faraday Bells, listed below, are designed to operate on battery circuits only. For bell-ringing transformer circuits, transformer skeleton Faraday bells, transformer enclosed-type single-gong bells, transformer enclosed-type double-gong bells, or transformer underdome gongs are recommended. Transformer skeleton bells should never be used on electric light and power circuits.

Skeleton Faraday Bells will be furnished single-stroke when specially ordered at 50 cents net additional, but for important single-stroke work, special single-stroke gongs are recommended.

Skeleton Faraday Bells will be wound to any special resistance desired at standard list additions shown elsewhere.

NOTE.—The Underwriters' Laboratories approve only the enclosed-type Faraday gongs for signal systems coming under their supervision.

Trade No.	Mfrs. No.	Size, Gong Inches	Frame No.	Resistance in Ohms	Price Each
071001	O- 2½	2½	1	1.5	\$2.50
071002	O- 3	3	1	1.5	2.68
071003	O- 4	4	1	1.5	3.04
071004	O- 5	5	2	2.1	5.52
071005	O- 6	6	2	2.1	6.21
071006	O- 7	7	3	3.	8.85
071007	O- 8	8	3	3.	9.71
071008	O-10	10	4	5.2	16.60
071009	O-12	12	X-5	5.2	20.73
071010	O-14	14	X-5	5.2	41.44
071011	O-15	15	X-5	5.2	53.87
071012	OL-15	15	6	8.	78.32
071013	O-16	16	6	8.	82.71
071014	O-18	18	6	8.	95.73

Assortment of all sizes Faraday and Competition Skeleton Bells permitted to make up list value, but enclosed-type gongs or buzzers cannot be included with skeleton bells; list price additions for special resistance windings may be included with bells and buzzers to make up list value.

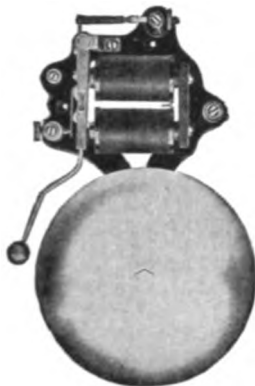
Net Additions for Platinum, Triplex Contacts, Etc.

PLATINUM CONTACTS.—Add to above prices for pure platinum contacts 60 cents net for bells up to and including 6-inch; \$1.00 net for 7-inch and larger.

TRIPLEX CONTACTS.—Add to above prices for triplex platinoid contacts \$2.00 net. For triplex pure platinum contacts add to the above prices the following: Up to and including 6-inch \$3.00 net; 8 and 10-inch, \$4.00 net; 12 and 14-inch, \$5.00; 15-inch and larger, \$7.50 net.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COMPETITION BELLS AND FARADAY BUZZERS



Model Z

ant single stroke work the special Faraday single stroke gong shown on another page is recommended.

Competition Skeleton Bells will be wound to any special resistance desired at standard list additions.

Model No.	Size Gong Inches	No. of Frame	Std. Resistance Ohms	Price Each	Model No.	Size Gong Inches	No. of Frame	Std. Resistance Ohms	Price Each
Z-2½	2½	1	1.5	\$2.29	Z-7	7	3	3	\$7.77
Z-3	3	1	1.5	2.32	Z-8	8	3	3	8.61
Z-4	4	1	1.5	2.47	Z-10	10	4	5.2	14.24
Z-5	5	2	2.1	4.49	Z-12	12	X-5	5.2	15.86
Z-6	6	2	2.1	4.75	....	....	....	....	....

Assortment of all sizes of Competition Skeleton and Faraday Skeleton Bells permitted to make up list value, but enclosed type gongs or buzzers cannot be included with skeleton bells. List price additions for special resistance windings may be included with bells and buzzers to make up list value.

FARADAY ENCLOSED TYPE BUZZERS

The Standard Nos. 89, 91, 93, 99 and 101 have the Faraday High-power Armature; No. 94 Extra Loud, in addition to the high-power armature, has a heavy steel ball at the end of armature rod—makes the signal three times as powerful as the No. 99 or No. 101.

Nos. 89 and 91 are the same as No. 101 mechanism. They are intended for interior mounting in annunciators, switchboards, telephone apparatus, etc.; No. 93 is the same mechanism, with standard cover complete with rubber gasket, etc.

Frame of buzzer carries no current at any time, as entire electrical mechanism is insulated from frame casting. These buzzers may be mounted on metal without fear of grounding.

Breakage of tension spring will not disable mechanism.

Side contact adjustment is of patented micrometer lock type; all working parts are heavily copper-plated against dampness. Magnet coils are waterproof; soft rubber gasket between frame and cover guards against outside moisture. Triplex contacts will be furnished when specially ordered.

Model No.	Style	No. of Frame	Resistance Ohms	Size Inches	Price Each	Add for Conduit Patterns*
89	No cover	00	1.4	1½ x 1½ x 1½	\$2.75	Not made
93	Enclosed	00	1.4	2½ x 2½ x 1½	3.00	Not made
91	No cover	00	1.4	2½ x 2½ x 1½	2.75	Not made
99	Enclosed	0	1.4	3½ x 3½ x 1½	3.50	3.50
101	Enclosed	1	1.5	4¼ x 4 x 2½	4.00	4.50
94	Enclosed	1	1.5	4¼ x 4 x 2½	4.25	4.50

*For Conduit Patterns add the letter "P" to Model No. and add to list in previous column.

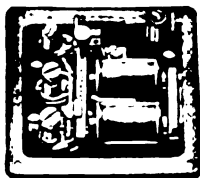
PLATINUM CONTACTS.—Add to above prices of buzzers for pure platinum contacts 60 cents net.

TRIPLEX CONTACTS.—Add to above prices of buzzers for triplex platinum contacts \$2.00 net; for triplex pure platinum contacts \$3.00 net.

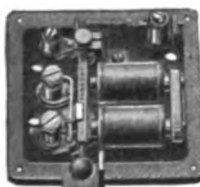
Triplex contacts not furnished on Nos. 89, 91 and 93 buzzers.



Nos. 89, 99 and 101 Buzzers, Cover in Position



Nos. 89, 91, 93, 99 and 101 Buzzers, Cover Removed



No. 94 Buzzer Cover Removed

FARADAY SIGNAL GONGS

NATIONAL ELECTRICAL CODE STANDARD

ENCLOSED-TYPE, VIBRATING, WEATHERPROOF, FOR BATTERY AND D. C. CIRCUITS

Cannot be Used on A. C. Circuits

Faraday Enclosed-type Signal Gongs A, B and C are far superior to the ordinary open-type skeleton bell and are recommended for installations exposed to dust, dampness or mechanical injury. They are designed to operate on battery and, when ordered wound to proper resistance, on D. C. electric light and power circuits from 100 to 600 volts. For A. C. circuits, both bell-ringing transformer and 100-240-volt A. C. circuits, transformer enclosed-type single-gong, transformer enclosed-type double-gong or transformer underdome gongs are recommended.

These gongs will be furnished single-stroke when specially ordered at 50 cents net additional. They will be furnished wound to any special resistance at standard list additions.



Model A



Model B



Model C

Model A Non-guarded Gongs, 1 3/4 to 18 Inches

Model No.	Size In.	Frame No.	To Operate on BATTERY (Gongs to be Wired in Multiple)				Price Each	100 to 125-v. D. C. *Price Each	220 to 250-v. D. C. †Price Each
			No. of Dry Cells Req'd	Operative Voltage	Approx. Watts per Gong	Regular Resistance Ohms			
A-1 3/4	1 3/4	00	2	2	1.5	1.4	\$3.92	\$6.22	Not Made
A-2	2	00	2	2	1.5	1.4	4.21	6.51	Not Made
A-2 1/2	2 1/2	0	2	2	1.1	1.4	4.49	6.79	Not Made
A-3	3	0	2	2	1.1	1.4	5.16	7.46	Not Made
A-3 1/2	3 1/2	1	3	3	1.8	1.5	6.29	8.85	\$12.98
A-4	4	1	3	3	1.8	1.5	6.44	9.20	13.50
A-5	5	2	4	4	2.2	2.1	10.53	14.60	19.50
A-6	6	2	4	4	2.2	2.1	11.92	15.75	20.75
A-7	7	3	5	5	2.5	3.	13.37	17.25	22.25
A-8	8	3	5	5	2.5	3.	14.72	18.55	23.50
A-9	9	4	6	6	2.55	5.2	20.20	24.45	29.95
A-10	10	4	6	6	2.55	5.2	24.69	29.00	34.50
A-12	12	X-5	6	6	2.55	5.2	33.36	38.60	44.50
A-14	14	X-5	6	6	2.55	5.2	41.15	46.00	52.00
A-15	15	6	8	8	4.	8.	82.49	88.49	93.75
A-16	16	6	8	8	4.	8.	86.41	92.41	102.00
A-18	18	6	8	8	4.	8.	98.21	106.21	116.00

Model B Half Grid Guarded Gongs, 3 1/2 to 14 Inches

B-3 1/2	3 1/2	1	3	3	1.8	1.5	7.29	9.85	13.98
B-4	4	1	3	3	1.8	1.5	7.44	10.20	14.50
B-5	5	2	4	4	2.2	2.1	12.03	16.10	21.00
B-6	6	2	4	4	2.2	2.1	13.42	17.25	22.25
B-7	7	3	5	5	2.5	3.	15.87	19.75	24.75
B-8	8	3	5	5	2.5	3.	17.22	21.05	26.00
B-9	9	4	6	6	2.55	5.2	23.20	27.45	32.95
B-10	10	4	6	6	2.55	5.2	27.69	32.00	37.50
B-12	12	X-5	6	6	2.55	5.2	37.68	42.60	48.50
B-14	14	X-5	6	6	2.55	5.2	45.15	50.00	56.00

Model C Full Grid Guarded Gongs, 5 to 12 Inches

C-5	5	2	4	4	2.2	2.1	19.53	23.60	28.50
C-6	6	2	4	4	2.2	2.1	20.92	24.75	29.75
C-7	7	3	5	5	2.5	3.	26.87	30.75	35.75
C-8	8	3	5	5	2.5	3.	28.22	32.05	37.00
C-9	9	4	6	6	2.55	5.2	40.20	44.45	49.95
C-10	10	4	6	6	2.55	5.2	44.69	49.00	54.50
C-12	12	X-5	6	6	2.55	5.2	59.68	64.60	70.50

*To operate on 100-125-v. D. C. circuits, resistance 500 ohms.

†To operate on 220-250-v. D. C. circuits, resistance 2000 ohms.

In ordering specify Model No. and voltage.

Assortment of all sizes enclosed-type gongs and buzzers permitted to make up list value, but Faraday and Competition Skeleton Bells cannot be included with enclosed-type gongs or buzzers. List price additions for special resistance windings may be included with bells to make up list value.

PLATINUM CONTACTS.—Add to above prices for pure platinum contacts 60 cents net for bells up to and including 6-inch; \$1.00 net for 7-inch and larger.

TRIPLEX CONTACTS.—Add to above prices for triplex platinum contacts \$2.00 net; for triplex pure platinum contacts, add to above prices the following: Up to and including 6-inch, \$3.00 net; 8 and 10-inch, \$4.00 net; 12 and 14-inch, \$5.00 net; 15-inch and larger, \$7.50 net.

All gongs full polished nickel unless otherwise specified.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY CONDUIT PATTERN SIGNAL GONGS**NATIONAL ELECTRICAL CODE STANDARD****ENCLOSED-TYPE, VIBRATING, WEATHERPROOF, FOR BATTERY AND D. C. CIRCUITS****Cannot Be Used on A. C. Circuits**

Faraday Conduit Pattern Signal Gongs Models AP, BP and CP are furnished with heavy pressed steel outlet box backs. Combination $\frac{1}{2}$ inch and $\frac{3}{4}$ -inch knockouts are provided on the four sides of the box as well as in the center of the back, readily affording conduit connections to it. They are designed to meet requirements of exposed or concealed work.

They are designed to operate on battery and when ordered wound to proper resistance, on D. C. electric light and power circuits from 100 to 600 volts. For A. C. circuits, both bell ringing transformer and 100-240-volt A. C. circuits, transformer enclosed-type single-gong, transformer enclosed -type double-gong or transformer underdome gongs are recommended.

These gongs will be furnished single-stroke when specially ordered at 50 cents net additional. They will be furnished wound to any special resistance at standard list additional.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

**Model AP****Model BP****Model CP****Model AP Non-guarded Gongs, $3\frac{1}{2}$ to 18 Inches**

Model No.	Size In.	To Operate on BATTERY (Gongs to Be Wired in Multiple)					100 to 250 V. D. C.	
		Frame No.	No. of Dry Cells Required	Operative Voltage	Watts per gong	Resistance Ohms	Price Each*	Price Each†
AP-3 $\frac{1}{2}$	3 $\frac{1}{2}$	1	3	3	1.8	1.5	\$10.79	\$13.35
AP-4	4	1	3	3	1.8	1.5	10.94	13.70
AP-5	5	2	4	4	2.2	2.1	15.21	19.28
AP-6	6	2	4	4	2.2	2.1	16.60	20.43
AP-7	7	3	5	5	2.5	3.	18.41	22.29
AP-8	8	3	5	5	2.5	3.	19.76	23.59
AP-9	9	4	6	6	2.55	5.2	25.60	29.85
AP-10	10	4	6	6	2.55	5.2	30.09	34.40
AP-12	12	X-5	6	6	2.55	5.2	38.76	44.00
AP-14	14	X-5	6	6	2.55	5.2	46.55	51.40
AP-15	15	6	8	8	4.	6.	89.69	95.69
AP-16	16	6	8	8	4.	6.	93.61	99.61
AP-18	18	6	8	8	4.	6.	105.41	113.41

Model BP Half Grid Guarded Gongs, $3\frac{1}{2}$ to 14 Inches

BP-3 $\frac{1}{2}$	3 $\frac{1}{2}$	1	3	3	1.8	1.5	11.79	14.35	18.48
BP-4	4	1	3	3	1.8	1.5	11.94	14.70	19.00
BP-5	5	2	4	4	2.2	2.1	16.71	20.78	25.68
BP-6	6	2	4	4	2.2	2.1	18.10	21.93	26.93
BP-7	7	3	5	5	2.5	3.	20.91	24.79	29.79
BP-8	8	3	5	5	2.5	3.	22.26	26.09	31.04
BP-9	9	4	6	6	2.55	5.2	28.60	32.85	38.35
BP-10	10	4	6	6	2.55	5.2	33.09	37.40	42.90
BP-12	12	X-5	6	6	2.55	5.2	43.08	48.00	53.90
BP-14	14	X-5	6	6	2.55	5.2	50.55	55.40	61.40

Model CP Full Grid Guarded Gongs, 5 to 12 Inches

CP-5	5	2	4	4	2.2	2.1	24.21	28.28	33.18
CP-6	6	2	4	4	2.2	2.1	25.60	29.43	34.43
CP-7	7	3	5	5	2.5	3.	31.91	35.79	40.79
CP-8	8	3	5	5	2.5	3.	33.26	37.09	42.04
CP-9	9	4	6	6	2.55	5.2	45.60	49.85	55.35
CP-10	10	4	6	6	2.55	5.2	50.09	54.40	59.90
CP-12	12	X-5	6	6	2.55	5.2	65.08	70.00	75.90

*To operate on 100-125 V. D. C. circuits, resistance 500 ohms.

†To operate on 220-250 V. D. C. circuits, resistance 2000 ohms.

In ordering specify Model No. and voltage at which to operate.

Assortment of all sizes enclosed-type gongs and buzzers permitted to make up list value, but Faraday and Competition Skeleton Bells cannot be included with enclosed-type gongs or buzzers. List price additions for special resistance windings may be included with bells to make up list value.

PLATINUM CONTACTS.—Add to above prices for pure platinum contacts 60 cents net for bells up to and including 6-inch; \$1.00 net for 7-inch and larger.

TRIPLEX CONTACTS.—Add to above prices for triplex platino contacts \$2.00 net; for triplex pure platinum contacts, add to above prices the following: Up to and including 6-inch, \$3.00 net; 8 and 10-inch, \$4.00 net; 12 and 14-inch, \$5.00 net; 15 inch and larger, \$7.50 net.

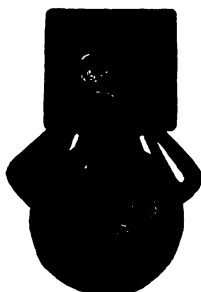
FARADAY INSPECTORS' PATTERN SIGNAL GONGS

NATIONAL ELECTRICAL CODE STANDARD
ENCLOSED TYPE, VIBRATING, WEATHERPROOF, FOR BATTERY
AND D. C. CIRCUITS

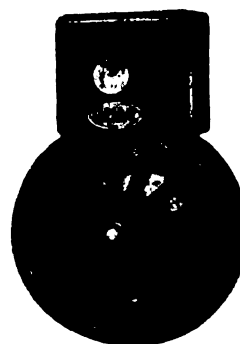
Cannot be used on A. C. Circuits



Model AI



Model BI



Model CI

Faraday Inspectors' Type Gongs Models AI, BI and CI are especially designed to permit regular and frequent inspection of signal equipment.

For A. C. circuits (both bell ringing transformer and 100-240-volt A. C. circuits) transformer enclosed type single-gong, transformer enclosed type double-gong or transformer under-dome gongs are recommended.

These gongs will be furnished single-stroke when specially ordered at 50 cents net additional. They will be furnished wound to any special resistance desired at standard list additions.

Model AI Non-guarded Gongs 3½ to 18 inches

Model No.	Size In.	To OPERATE ON BATTERY (Gongs to be Wired in Multiple)						To OPERATE ON 100-125 V. D. C. Circuits		To OPERATE ON 220-250 V. D. C. Circuits		Add for Conduit Pattern*
		Frame No.	No. of Cells Req'd	Op't. Voltage	Approx. Watts p. Gong	Resistance Ohms	Price Each	Resistance Ohms	Price Each	Resistance Ohms	Price Each	
AI- 3½	3½	1	3	3	1.8	1.5	8.29	500	10.85	2000	14.98	4.50
AI- 4	4	1	3	3	1.8	1.5	8.44	500	11.20	2000	15.50	4.50
AI- 5	5	2	4	4	2.2	2.1	13.03	500	17.10	2000	22.00	4.68
AI- 6	6	2	4	4	2.2	2.1	14.42	500	18.25	2000	23.25	4.68
AI- 7	7	3	5	5	2.5	3	16.37	500	20.25	2000	25.25	5.04
AI- 8	8	3	5	5	2.5	3	17.72	500	21.55	2000	26.50	5.04
AI- 9	9	4	6	6	2.55	5.2	23.70	500	27.95	2000	33.45	5.40
AI-10	10	4	6	6	2.55	5.2	28.19	500	32.50	2000	38.00	5.40
AI-12	12	X-5	6	6	2.55	5.2	36.86	500	42.10	2000	48.00	5.40
AI-14	14	X-5	6	6	2.55	5.2	44.65	500	49.50	2000	55.50	5.40
AI-15	15	6	8	8	4	6	88.49	500	94.49	2000	99.75	7.20
AI-16	16	6	8	8	4	6	92.41	500	98.41	2000	108.00	7.20
AI-18	18	6	8	8	4	6	104.21	500	112.21	2000	122.00	7.20

Model BI Half-grid Guarded Gongs, 3½ to 14 inches

BI- 3½	3½	1	3	3	1.8	1.5	9.29	500	11.85	2000	15.98	4.50
BI- 4	4	1	3	3	1.8	1.5	9.44	500	12.20	2000	16.50	4.50
BI- 5	5	2	4	4	2.2	2.1	14.53	500	18.60	2000	23.50	4.68
BI- 6	6	2	4	4	2.2	2.1	15.92	500	19.75	2000	24.75	4.68
BI- 7	7	3	5	5	2.5	3	18.87	500	22.75	2000	27.75	5.04
BI- 8	8	3	5	5	2.5	3	20.22	500	24.05	2000	29.00	5.04
BI- 9	9	4	6	6	2.55	5.2	26.70	500	30.95	2000	36.45	5.40
BI-10	10	4	6	6	2.55	5.2	31.19	500	35.50	2000	41.00	5.40
BI-12	12	X-5	6	6	2.55	5.2	41.18	500	46.10	2000	52.00	5.40
BI-14	14	X-5	6	6	2.55	5.2	48.65	500	53.50	2000	59.50	5.40

Model CI Full-grid Guarded Gongs, 5 to 12 inches

CI- 5	5	2	4	4	2.2	2.1	22.03	500	26.10	2000	31.00	4.68
CI- 6	6	2	4	4	2.2	2.1	23.42	500	27.25	2000	32.25	4.68
CI- 7	7	3	5	5	2.5	3	29.87	500	33.75	2000	38.75	5.04
CI- 8	8	3	5	5	2.5	3	31.22	500	35.05	2000	40.00	5.04
CI- 9	9	4	6	6	2.55	5.2	43.70	500	47.95	2000	53.45	5.40
CI-10	10	4	6	6	2.55	5.2	48.19	500	52.50	2000	58.00	5.40
CI-12	12	X-5	6	6	2.55	5.2	63.18	500	68.10	2000	74.00	5.40

*For conduit pattern add the letter P to Model No. and add to lists in previous columns.

In ordering specify Model No. and voltage at which to operate.

All gongs full polished nickel unless otherwise specified.

Additions for platinum and triplex contacts given in footnote on preceding page.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY SCREEN GUARDED GONGS

NATIONAL ELECTRICAL CODE STANDARD

ENCLOSED TYPE, VIBRATING, WEATHERPROOF, FOR BATTERY
AND D. C. CIRCUITS

Cannot be used on A. C. Circuits

Model CW
Regular PatternModel CWP
Conduit Pattern

Screen Guarded Enclosed Type Gongs Models CW and CWP are preferable to the cast grid type housing of Models C and CP in some cases, where mechanism, gong, hammer rod and ball must be protected against external injury, boys throwing stones and nesting of birds.

These gongs have high power armatures, making it possible to keep the armature in magnetic field up to the moment hammer rod ball strikes gong in place of opening at contact points at beginning of stroke as all other mechanisms do; breakage of springs cannot disable gong; frame casting carries no current at any time and as the entire mechanism is insulated from the frame, these gongs may be mounted on metal, metal lathing and damp walls without fear of grounding.

They are designed to operate on battery and, when ordered wound to proper resistance, on D. C. electric light and power circuits from 100 to 600 volts. For A. C. circuits, both bell ringing transformer and 100-240 A. C. circuits, transformer enclosed-type single-gong, transformer enclosed-type double-gong or transformer under-dome gongs are recommended.

These gongs will be furnished single stroke when specially ordered at 50 cents net additional. For important single-stroke work, the special single-stroke Faraday Gongs shown on other pages are recommended, and the slight advance in cost found more than justified.

These gongs will be wound to any special resistance desired at standard list additions shown elsewhere.

The Underwriters' Laboratories approve enclosed type Faraday Gongs, Models CW and CWP for signal systems coming under their supervision.

Size, Gong Inches	Frame No.	Resistance Ohms	Model CW Regular Pattern		Model CWP For Conduit Work	
			Model No.	Price Each	Model No.	Price Each
5	2	2.1	CW-5	\$19.53	CWP-5	\$24.21
6	2	2.1	CW-6	20.92	CWP-6	25.60
7	3	3	CW-7	26.87	CWP-7	31.91
8	3	3	CW-8	28.22	CWP-8	33.26
9	4	5.2	CW-9	40.20	CWP-9	45.60
10	4	5.2	CW-10	44.69	CWP-10	50.09
12	X-5	5.2	CW-12	59.68	CWP-12	65.08

Assortment of all sizes enclosed-type gongs and buzzers permitted to make up list value, for Faraday and Competition Skeleton Bells cannot be included with enclosed type gongs or buzzers. List price additions for special resistance windings may be included with bells to make up list value.

PLATINUM CONTACTS.—Add to above prices for pure platinum contacts 60 cents net for bells up to and including 6-inch; \$1.00 net for 7-inch and larger.

TRIPLEX CONTACTS.—Add to above prices for triplex platinoid contacts \$2.00 net. For triplex pure platinum contacts add to above prices the following: Up to and including 6-inch, \$3.00 net; 8 and 10-inch, \$4.00 net; 12-inch, \$5.00 net.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY BELLS WITH FANCY GONGS

SKELETON AND ENCLOSED TYPES

Both Faraday Skeleton and Faraday Enclosed Type Bells will be furnished with what is termed "fancy gongs" in place of standard round gongs.

Fancy gong equipment is desirable where a different sounding gong is wanted or where a particularly penetrating sound is needed, such as in noisy factory buildings, etc. The rectangular or cow gong being the most penetrating.

These gongs have high power armatures, making it possible to keep the armature in magnetic field up to the moment hammer rod ball strikes gong in place of opening at contact points at beginning of stroke as all other mechanisms do. Breakage of springs cannot disable gong. Frame casting carries no current at any time and as the entire mechanism is insulated from the frame, these gongs may be mounted on metal, metal lathing and damp walls without fear of grounding.

These gongs are designed to operate on battery circuits. They will be furnished single stroke when specially ordered at 50 cents net additional, but for important single-stroke work, the single-stroke gongs shown on other pages are recommended.

These gongs will be furnished wound to any special resistance desired at standard list additions shown elsewhere.

NOTE.—The Underwriters' Laboratories approve enclosed type gongs for signal systems coming under their supervision.

FARADAY SKELETON BELLS, WITH FANCY GONGS

With Rectangular or Cow Gongs							
Size, Gong Inches	Frame No.	Resis. Ohms.	Price Each	Size, Gong Inches	Frame No.	Resis. Ohms.	Price Each
1 $\frac{3}{4}$ x2 $\frac{1}{2}$	1	1.5	\$ 5.52	3 $\frac{1}{2}$ x5	2	2.1	\$ 9.71
2 x3	1	1.5	6.21	4 $\frac{1}{4}$ x6	3	3	21.73
With Sleigh Gongs							
1 $\frac{1}{2}$ x2 $\frac{1}{2}$	1	1.5	5.52				
With Garland Gongs							
2 x2 $\frac{1}{4}$	1	1.5	5.40				
With Open, Breakfast, Tea or House Gongs							
2 $\frac{1}{2}$ x1 $\frac{3}{4}$	1	1.5	5.40				

FARADAY ENCLOSED TYPE BELLS, WITH FANCY GONGS

With Rectangular or Cow Gongs							
Size, Gong Inches	Frame No.	Resis. Ohms.	Price Each	Size, Gong Inches	Frame No.	Resis. Ohms.	Price Each
1 $\frac{3}{4}$ x2 $\frac{1}{2}$	0	1.4	7.08	2 x3	1	1.5	10.15
2 x3	0	1.4	7.23	3 $\frac{1}{2}$ x5	2	2.1	15.46
1 $\frac{3}{4}$ x2 $\frac{1}{2}$	1	1.5	10.00	4 $\frac{1}{4}$ x6	3	3	27.09
With Sleigh Gongs							
1 $\frac{1}{2}$ x1 $\frac{1}{2}$	0	1.4	7.08	1 $\frac{1}{2}$ x1 $\frac{1}{2}$	1	1.5	10.00
With Garland Gongs							
2 x2 $\frac{1}{4}$	0	1.4	6.88	2 x2 $\frac{1}{4}$	1	1.5	9.48
With Open, Breakfast, Tea or House Gongs							
2 x2 $\frac{1}{4}$	0	1.4	6.88	2 x2 $\frac{1}{4}$	1	1.5	9.48

Skeleton fancy gong bells listed above may be combined with regular pattern skeleton bells to make up list value. Enclosed type fancy gong bells likewise may be combined with regular pattern enclosed type bells and buzzers to make up list value, but skeleton and enclosed cannot be combined to make up list value. List price additions for special resistance windings may be included with respective class of bells to make up list value.

All above bells except skeleton types furnished with outlet box backs for conduit work at same list additions as shown on page of Inspectors' Pattern Gongs for respective Frame Nos.

PLATINUM CONTACTS.—Add to above prices for pure platinum contacts 60 cents net for bells up to and including No. 2 Frame; \$1.00 net for No. 3 Frame.

TRIPLEX CONTACTS.—Add to above prices for triplex platinum contacts \$2.00 net; for triplex pure platinum contacts, add to above prices the following: up to and including No. 2 Frame, \$3.00 net; No. 3 Frame, \$4.00 net.



Skeleton Bell
with Cow Gong



Enclosed Type Bell
with Cow Gong



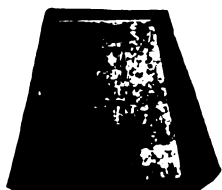
Open, Breakfast, Tea or
House Gong



Garland Gong



Sleigh Gong



Rectangular or Cow Gong

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY HAMMER-BLOW SIGNAL GONGS

NATIONAL ELECTRICAL CODE STANDARD

ENCLOSED AND SKELETON TYPE HIGH POWER
GONGS, FOR BATTERY AND D. C. CIRCUITS

Cannot be Used on A. C. Circuits



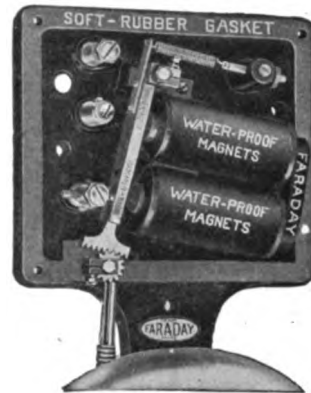
Model AH
Regular Pattern
Model AHP
For Conduit Work



Model BH
Regular Pattern
Model BHP
For Conduit Work



Model CH
Regular Pattern
Model CHP
For Conduit Work



Showing Mechanism of
Hammer-blow Faraday Gong

Faraday Hammer-blow High Power Signal Gongs Models AH, BH and CH have mechanisms that give a long, slow, hammer-blow movement, very similar to a powerful electro-mechanical gong, but having no clockwork mechanism, of course requires no winding up, as does the electro-mechanical type; should be operated on battery sets of not less than 50-ampere capacity.

The long, slow, powerful movement in this mechanism is obtained by means of the Faraday multiple-gear between armature and hammer rod, a feature that, with a $\frac{3}{4}$ -inch movement of armature, permits, for example, in a 10-inch size gong a 3-inch movement of the hammer ball.

Semi-flexible re-coil type hammer rod guarantees a clear, unmuffled blow on the gong, a most valuable advantage over the usual hammer rod construction of other makes.

No other type of gong can be operated with the long, powerful, hammer-blow feature, for without the patented Faraday high-power armature construction, this type of gong would be impossible. With this patented feature in Models AH, BH and CH gongs, the armature is held in the magnetic field with current on coils up to the moment the hammer rod ball strikes the gong. This design gong gives twice the power of any other make of gong because in the Faraday construction contact points do not open with the forward movement of the armature to cut off the current, but current is allowed to stay on the field coils until the end of stroke.

Breakage of springs cannot disable this model gong, whereas with every other make of gong, a broken spring means the failure of the signal.

Waterproof magnet coil windings, micrometer pattern contact posts, non-turning and non-loosening binding posts, bell metal gongs, rubber gasketed weather-proof and dust-proof casings, sealed-in back connections, no exposed terminals, lock washers on all binding posts, etc.,—all enclosed type Faraday gong standards are embodied in these models.

Size Inches	Gong Frame No.	Resistance ohms	ENCLOSED TYPE—							
			MODEL AH NON-GUARDED GONG		MODEL BH HALF-GUARDED GONG		MODEL CH FULL GUARDED GONG		—SKELETON TYPE— MODEL OH	
			Model No.	Price Each	Model No.	Price Each	Model No.	Price Each	Model No.	Price Each
4	1	1.5	AH-4	\$ 8.44	BH-4	\$ 9.44	.....	.....	OH-4	\$5.04
5	2	2 1	AH-5	13.03	BH-5	14.53	CH-5	\$22.03	OH-5	8.02
6	2	2 1	AH-6	14.42	BH-6	15.92	CH-6	23.42	OH-6	8.71
7	3	3	AH-7	16.37	BH-7	18.87	CH-7	29.87	.....	.....
8	3	3	AH-8	17.72	BH-8	20.22	CH-8	31.22	OH-8	12.71
9	4	5 2	AH-9	24.20	BH-9	27.20	CH-9	44.20	.....	.....
10	4	5 2	AH-10	28.69	BH-10	31.69	CH-10	48.69	OH-10	20.40
12	X-5	5 2	AH-12	37.36	BH-12	41.36	CH-12	63.36	OH-12	24.73
14	X-5	5 2	AH-14	45.15	BH-14	49.15	.....	.....	OH-14	45.44
15	6	8	AH-15	97.49	.....	.....	.....	.....	.....	.....
16	6	8	AH-16	101.41	.....	.....	.....	.....	.....	.....
18	6	8	AH-18	113.21	.....	.....	.....	.....	.....	.....

All above bells except Skeleton types are furnished with outlet box backs for conduit work at same list additions as shown on page of Inspectors Pattern Gongs for respective "Frame Nos."

Skeleton Hammer-blow Bells listed above, may be combined with regular pattern Skeleton Bells to make up list value. Enclosed type hammer-blow bells likewise may be combined with regular pattern enclosed type bells and buzzers to make up list value. List price additions for special resistance windings may be included with respective class of bells to make up list value.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY UNDER-DOME GONGS

NATIONAL ELECTRICAL CODE STANDARD
ENCLOSED-TYPE, VIBRATING, WEATHERPROOF, FOR BATTERY
AND D. C. CIRCUITS

Cannot be Used on A. C. Circuits



Model U

Showing Mechanism of
Under-dome Bell

Models UP and UFP

Faraday Under-dome Gongs are admittedly superior to the projecting neck type of gong heretofore almost universally used. In the under-dome type gong, the entire mechanism, including hammer rod and ball, are within the gong itself, completely housed and protected from mechanical injury. This type of gong lends itself to the requirements of high class building work, i. e., that gongs shall not in any way mar the general building lines, for the design harmonizes with interior surroundings to a degree never possible to obtain with the conventional projecting-neck type of gong.

Under-dome gongs are regularly furnished in bauer-barff finish. When specially ordered, will be furnished at slight additional cost in any color to match walls or decorations.

Under-dome gongs have the following advantages in mechanism detail:

(a) Patented high-power armature allows the keeping of armature in magnetic field up to the moment of striking the gong—twice the power of any other mechanism made, because contact-points do not open or cut off current until end of stroke.

(b) Bronze-steel power-multiplying gears between armature and hammer-rod.

(c) No springs can break to stop operation of gong.

(d) Frame casting carries no current at any time and as the entire mechanism is insulated from the frame, under-dome gongs may be mounted on metal, metal lathing and damp walls without fear of grounding.

Under-dome gongs Models U, UP and UFP are designed to operate best on battery not less than 50 amp. capacity and, when ordered wound to proper resistance, on D. C. electric light and power circuits from 100 to 600 volts. For A. C. circuits, both bell ringing transformer and 100-240-volt A. C. circuits, transformer under-dome gongs are recommended.

Under-dome gongs will be furnished single-stroke when specially ordered at \$0.50 net additional.

These gongs will be furnished wound to any resistance desired at standard list additions shown elsewhere.

NOTE.—The Underwriters' Laboratories approve under-dome gongs Models U, UP and UFP for signal systems coming under their supervision.

Model U, No Conduit Box Back				
Model No.	Size Gong Inches	No. of Frame	Resistance Ohms	Price Each
U-8	8	3	3	\$17.72
U-10	10	4	5.2	28.69
Model UP, with Cast Outlet Box Back for Surface Conduit Work				
UP-8	8	3	3	27.72
UP-10	10	4	5.2	40.69
Model UFP, with Pressed Steel Outlet Box Back for Concealed Conduit Work				
UFP-8	8	3	3	22.76
UFP-10	10	4	5.2	34.09

Assortment of all sizes of enclosed type gongs and buzzers permitted to make up list value, but Faraday and Competition Skeleton Bells cannot be included with under-dome gongs or buzzers. List price additions for special resistance windings may be included with bells to make up list value.

PLATINUM CONTACTS.—Add to above prices for pure platinum contacts, \$1.00 net.

TRIPLEX CONTACTS.—Add to above prices for triplex platinoid contacts, \$2.00 net; for triplex pure platinum contacts, add to above prices \$4.00 net.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY SIGNAL GONGS

NATIONAL ELECTRICAL CODE STANDARD

A. C. TRANSFORMER SINGLE-GONG ENCLOSED TYPE, VIBRATING, WEATHERPROOF

For Operation on 18 Volt A. C. Bell Ringing Transformer Circuits and 100-220 Volt A. C. Light and Power Circuits, 25-60 Cycles

Faraday Transformer Enclosed Type Signal Gongs listed below are made in non-guarded, half-grid-guarded and full-grid-guarded gong designs. The mechanism is entirely different in design and operation from the ordinary type of signal gongs. They have no contacts, can be operated in series or in multiple with absolutely no sparking, and may be safely installed in places where presence of gas, inflammable vapors and dust have hitherto made the use of electric signaling apparatus dangerous, if not actually impossible. The extreme rapidity of vibration gives a sound just as satisfactory for code signaling as a single stroke gong.

Transformer gongs are regularly furnished to operate direct in multiple without external resistance on 18 volt, 110 volt and 220 volt circuits. When specially ordered, they will be furnished to operate as follows: (a) In series (any number as may be specified not exceeding 10 gongs) on 100-110 volt A. C. light and power circuits, 25-60 cycles. (b) In series (any number as may be specified not exceeding 20 gongs) on 220 volt A. C. light and power circuits, 25-60 cycles.

Even when as many as twenty gongs are connected in series on a 220 volt circuit or 10 on 110 volt circuit, the current consumption of all gongs is no greater than that required by one gong, an important desideratum in satisfactory operation and life of circuit closing devices.

Magnet cores are of latest type laminated construction, windings are of enameled wire and every detail of the mechanism is of the same standard as light and power circuit apparatus.

When used on bell ringing transformers it is very important that the transformer be of sufficient capacity or satisfactory gong operation is impossible. Ample size copper in line between transformers and gongs is also an absolute essential.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



Model AT



Model BT



Model CT

Model AT Non-guarded Gongs, 3½ to 12 Inches

Model No.	Size In.	Frame No.	To Operate On			Add for Conduit Pattern*
			A. C. 18 Volt Transformer Circuits	100-120 Volt A. C. Circuits	220-250 Volt A. C. Circuits	
AT- 3½	3½	1	\$8.29	\$10.85	\$14.98	\$4.50
AT- 4	4	1	8.44	11.20	15.50	4.50
AT- 5	5	2	13.03	17.10	22.00	4.68
AT- 6	6	2	14.42	18.25	23.25	4.68
AT- 7	7	3	16.37	20.25	25.25	5.04
AT- 8	8	3	17.72	21.55	26.50	5.04
AT- 9	9	4	23.70	27.95	33.45	5.40
AT-10	10	4	28.19	32.50	38.00	5.40
AT-12	12	X-5	36.86	42.10	48.00	5.40

Model BT Half-grid-guarded Gongs, 3½ to 12 Inches

Model No.	Size In.	Frame No.	To Operate On			Add for Conduit Pattern*
			A. C. 18 Volt Transformer Circuits	100-120 Volt A. C. Circuits	220-250 Volt A. C. Circuits	
BT- 3½	3½	1	9.29	11.85	15.98	4.50
BT- 4	4	1	9.44	12.20	16.50	4.50
BT- 5	5	2	14.53	18.60	23.50	4.68
BT- 6	6	2	15.92	19.75	24.75	4.68
BT- 7	7	3	18.87	22.75	27.75	5.04
BT- 8	8	3	20.22	24.05	29.00	5.04
BT- 9	9	4	26.70	30.95	36.45	5.40
BT-10	10	4	31.19	35.50	41.00	5.40
BT-12	12	X-5	41.18	46.10	52.00	5.40

Model CT Full-grid-guarded Gongs, 5 to 12 Inches

Model No.	Size In.	Frame No.	To Operate On			Add for Conduit Pattern*
			A. C. 18 Volt Transformer Circuits	100-120 Volt A. C. Circuits	220-250 Volt A. C. Circuits	
CT- 5	5	2	22.03	26.10	31.00	4.68
CT- 6	6	2	23.42	27.25	32.25	4.68
CT- 7	7	3	29.87	33.75	38.75	5.04
CT- 8	8	3	31.22	35.05	40.00	5.04
CT- 9	9	4	43.70	47.95	53.45	5.40
CT-10	10	4	48.19	52.50	58.00	5.40
CT-12	12	X-5	63.18	68.10	74.00	5.40

*For conduit patterns add the letter P to Model No. and add to lists in previous columns, amounts shown in right hand column.

Above gongs are to operate in multiple, no external resistance required.

In ordering specify Model No. and voltage.

Assortment of all sizes enclosed-type gongs and buzzers permitted to make up list value, but Faraday and Competition Skeleton Bells cannot be included with enclosed-type gongs or buzzers. List price additions for special resistance windings may be included with bells to make up list value.

All gongs full polished nickel unless otherwise specified.

FARADAY SINGLE-STROKE SIGNAL GONGS

ENCLOSED AND SKELETON TYPES, FOR BATTERY AND D. C. CIRCUITS

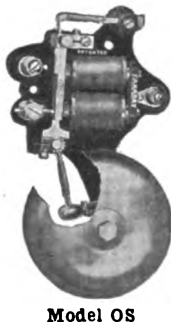
Cannot Be Used on A. C. Circuits

SINGLE-STROKE GONGS—ENCLOSED TYPE

Single-stroke enclosed type gongs Models AS, BS and CS are the most powerful and longest movement single-stroke gongs made.

Semi-flexible recoil type hammer rod guarantees a clear, unmuffled blow on gong with never a double stroke possible.

Single-stroke gongs operate best connected in series.



Size Gong In.	Frame No.	Resistance Ohms	Model AS Non-guarded Gong		Model BS Half-grid Guarded Gong		Model CS Full-grid Guarded Gong	
			Model No.	Price Each	Model No.	Price Each	Model No.	Price Each
4	1	1.5	AS-4	\$ 8.44	BS-4	\$ 9.44	CS-4	.....
5	2	2.1	AS-5	13.03	BS-5	14.53	CS-5	\$22.03
6	2	2.1	AS-6	14.42	BS-6	15.92	CS-6	23.42
7	3	3	AS-7	16.37	BS-7	18.87	CS-7	29.87
8	3	3	AS-8	17.72	BS-8	20.22	CS-8	31.22
9	4	5.2	AS-9	24.20	BS-9	27.20	CS-9	44.20
10	4	5.2	AS-10	28.69	BS-10	31.69	CS-10	48.69
12	X-5	5.2	AS-12	37.36	BS-12	41.68	CS-12	63.68
14	X-5	5.2	AS-14	45.15	BS-14	49.15	.....	.....
15	6	8	AS-15	97.49	.....	.....	.....	.....
16	6	8	AS-16	101.41	.....	.....	.....	.....
18	6	8	AS-18	113.21	.....	.....	.....	.....

TWO-SIGNAL COMBINATION SINGLE-STROKE AND VIBRATING GONGS

Two-signal gongs Models AVS, BVS and CVS are combination mechanisms and should be connected to a 3-wire circuit in multiple. When so connected, these gongs will give: (a) a powerful vibrating; (b) a clean, powerful single-stroke signal.

Size Gong In.	Frame No.	Resistance Ohms	Model AVS Non-guarded Gong		Model BVS Half-grid Guarded Gong		Model CVS Full-grid Guarded Gong	
			Model No.	Price Each	Model No.	Price Each	Model No.	Price Each
4	1	1.5	AVS-4	\$ 9.44	BVS-4	\$10.44	CVS-4	.....
5	2	2.1	AVS-5	14.53	BVS-5	16.03	CVS-5	\$23.53
6	2	2.1	AVS-6	15.92	BVS-6	17.42	CVS-6	24.92
7	3	3	AVS-7	17.87	BVS-7	20.37	CVS-7	31.37
8	3	3	AVS-8	19.72	BVS-8	22.22	CVS-8	33.22
9	4	5.2	AVS-9	26.70	BVS-9	29.70	CVS-9	46.70
10	4	5.2	AVS-10	31.19	BVS-10	34.19	CVS-10	51.19
12	X-5	5.2	AVS-12	39.86	BVS-12	44.18	CVS-12	66.18
14	X-5	5.2	AVS-14	47.65	BVS-14	51.65	.....	.....
15	6	8	AVS-15	102.49	.....	.....	.....	.....
16	6	8	AVS-16	106.41	.....	.....	.....	.....
18	6	8	AVS-18	118.21	.....	.....	.....	.....

SINGLE-STROKE GONGS—SKELETON TYPE

Single-stroke skeleton type gongs Model OS are not recommended except where limitation of expense is controlling factor.

Model No.	Size In.	Gong No.	Frame No.	Resistance Ohms	Price Each	Model No.	Size In.	Gong No.	Frame No.	Resistance Ohms	Price Each
OS-4	4	1	1.5	\$5.04		OS-10	10	4	5.2	\$20.60	
OS-5	5	2	2.1	8.02		OS-12	12	X-5	5.2	24.73	
OS-6	6	2	2.1	8.71		OS-14	14	X-5	5.2	41.44	
OS-8	8	3	3	12.71		.....	.....	.....	.....	.....

All above bells except skeleton types furnished with outlet box backs for conduit work at same list additions as shown on page listing Inspectors' pattern gongs for respective Frame No.

Skeleton single-stroke bells listed above may be combined with regular pattern skeleton bells to make up list value. Enclosed type single stroke bells likewise may be combined with regular pattern enclosed type bells and buzzers to make up list value. List price additions for special resistance windings may be included with respective class of bells to make up list value.

Gongs shown on this page cannot be used on A. C. circuits. For code signaling on A. C. circuits, electro-mechanical gongs or high-speed vibrating transformer gongs are the only types available. Either of the latter patterns will give good results for code signaling on A. C. circuits.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY ELECTRO-MECHANICAL SIGNAL GONGS

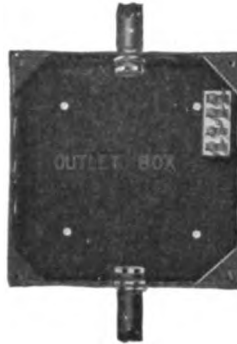
NATIONAL ELECTRICAL CODE STANDARD

ENCLOSED TYPE, VIBRATING AND SINGLE STROKE

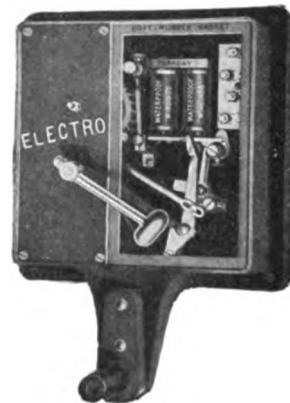
Open and Closed Circuit Types for Battery, D. C. and A. C. Light and Power Circuits



Model E. Regular Pattern
Model EP. for Conduit Work



Outlet Box for
Pipe Entrance



Mechanism, Model E

Electro-Mechanical gongs are designed to give a very loud, powerful signal, with a minimum of current. The blow itself on the gong is struck by a heavy ball on the end of a lever, released by the electric current, but operated by a powerful clock spring. The powerful steel clock spring operating the main shaft is securely housed on the under side of the mounting plate, entirely separate from the gear and lever compartment. Heavy felt gaskets prevent dust and dampness from getting into the mechanism.

Faraday Electro-Mechanical Gongs give approximately 700 blows with one winding and at \$5.00 net additional per gong they will be furnished, when specially ordered, with reliable re-wind signal contactor to which may be connected a tell-tale bell to give notification whenever a gong needs rewinding. It will also give warning if, from any cause, the main spring of the mechanism should break.

For even open work wiring without conduit, Models EP and EFP are strongly recommended, because their design affords the simplest and most convenient method of installation. In these models the terminals for connections to circuit wires are mounted in the outlet box backs so that when the mechanism of the gong is put up, the operation is easy and convenient.

Regularly furnished with knockouts for $\frac{1}{2}$ or $\frac{3}{4}$ -inch conduit as specified in four sides of the box.

Standard finish: dull black enamel with gunmetal gongs. Cases, when specially ordered, will be furnished without additional charge, in English vermilion finish.

The following types of mechanism are made. Type must be specified:

1. Single stroke, for open circuit work.
2. Single stroke, for closed circuit work.
3. Continuous ringing, for open circuit work.
4. Continuous ringing, for closed circuit work.
5. To ring continuously until run down, for open circuit work (\$5.00 net additional).
6. To ring continuously until run down, for closed circuit work (\$5.00 net additional).

Size Gong Inches	Regular Resistance Ohms	Model E For Regular Installations Without Conduit		Model EP With Conduit Box Back For Exposed Conduit		Model EFP With Conduit Box Back and Wall Escutcheon For Flush Conduit	
		Model No.	Price Each	Model No.	Price Each	Model No.	Price Each
6	20	E- 6	\$39.80	EP- 6	\$49.80	EFP- 6	\$54.80
8	20	E- 8	52.00	EP- 8	62.00	EFP- 8	67.00
10	20	E-10	58.40	EP-10	68.40	EFP-10	73.40
12	20	E-12	62.66	EP-12	72.66	EFP-12	77.66
14	20	E-14	73.33	EP-14	83.33	EFP-14	88.33
15	20	E-15	97.60	EP-15	107.60	EFP-15	112.60
16	20	E-16	103.20	EP-16	113.20	EFP-16	118.20
18	20	E-18	111.00	EP-18	121.00	EFP-18	126.00

These gongs will be furnished wound to any special resistance desired at standard list additions for No. 3 frame.

Assortment of all sizes Electro-Mechanical, Enclosed Type Gongs and Buzzers permitted to make up list value, but Faraday and Competition Skeleton Bells cannot be included with Electro-Mechanical, Enclosed Type Gongs or Buzzers. List price additions for special resistance windings may be included with bells to make up list value.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY SPECIAL RESISTANCE WINDINGS FOR FARADAY AND COMPETITION SKELETON AND ENCLOSED TYPE BELLS AND BUZZERS

List additions shown below apply to Faraday Skeleton, Competition Skeleton, Faraday Enclosed-type Gongs, Faraday Under-dome Gongs, Faraday Double-Gong Bells, Faraday Electro-mechanical Gongs and Faraday Buzzers for use on battery and D. C. circuits. They do not apply to A. C.

To obtain the list price of special resistance bells, add the list prices shown below for the desired resistance to the list price of the regular resistance bells. To the combined figure thus obtained, standard discounts on bells apply.

Regular resistance vibrating bells will operate satisfactorily on battery and D. C. circuits at the voltage shown in tables listing various types of bells on other pages, but where gongs are to be operated on higher voltage circuits or where a number of gongs are to be operated simultaneously in multiple on a circuit, gongs wound to proper higher resistance must be used.

For D. C. light and power circuits, as well as lower D. C. voltages, data given in table at bottom of page should be used, this table showing approximate ohms resistance for vibrating bells for various D. C. voltages.

When specially ordered, gongs for high voltage D. C. circuits will be furnished with spark eliminators at a net additional price of \$1.00 per gong.

Faraday Enclosed-type Gongs will be furnished, when ordered, wound to 150 ohms to operate direct in multiple without external resistance on 600 volts D. C. street railway circuits. 600-volt gongs should be used either with Faraday Resistance Panels (list price, \$13.00 each) or, with five 60-watt lamps, connected as per blue print attached to each 600-volt gong.

Resistances of transformer gongs for A. C. circuits are entirely arbitrary and cannot be figured on the same basis as shown below for D. C. circuits.

For A. C. circuits, transformer single-gong bells, transformer under-dome gongs or transformer double-gong bells should invariably be used. All Faraday Transformer Gongs are of the no-contact non-sparking type. They may be connected in series (when wound to proper resistance for this work) and when so connected, the total number of gongs on the circuit requires no more current than one gong would require in multiple. Particular attention is called to this advantage over other transformer gongs, for the reduced current demand for the operation of the number of gongs makes possible the use of any first class contact key of standard design.

Triplex contacts will be furnished, when specially ordered, at slight additional cost on all Faraday Vibrating Gongs and Buzzers, except the smallest size on No. 00 frames. Triplex contacts are a guarantee against the failure of a signal gong, for with three independent sets of contacts, one set may break down or even two sets without causing the failure of the gong.

Pure platinum is the most dependable for gong contacts, but where price of platinum seems prohibitive, platinoid will be found satisfactory.

Single-stroke and electro-mechanical gongs have no contacts.

Resistance of single-stroke gongs is approximately one-fourth that of vibrating gongs when designed for operation on similar voltages.

List additions for special resistance windings of skeleton bells may be combined with list prices of skeleton bells and likewise list additions for special resistance windings of enclosed type bells (including under-dome gongs, double-gong bells, electro-mechanical gongs and buzzers) may be combined with list prices of these bells to obtain list values determining discounts. However, list additions for enclosed type bells cannot be combined with skeleton bells to make up list values.

OHMS RESISTANCE FOR OPERATION OF FARADAY VIBRATING GONGS ON DIRECT CURRENT VOLTAGES WITHOUT EXCESSIVE SPARKING AT CONTACTS

Ohms Resistance per Bell	Adapted to Operate on Following Voltages	Ohms Resistance per Bell	Adapted to Operate on Following Direct Current Voltages
5	6-10	350	65-80
10	10-15	400	80-95
20	15-20	450	95-105
50	20-25	500	105-110
100	25-30	550	110-120
150	30-35	1000	120-130
200	35-45	2000	220-240
250	45-55	150*	500-600
300	55-65	....	.....

*To operate with resistance panel or bank of five 60-watt lamps.

SPECIAL RESISTANCE WINDING LIST, ADDITIONS PER GONG

Size Gong, Inches	Frame	No.	0-10	11-20	21-50	51-100	101-150	151-200	201-300	301-500	501-1000	1001-2000
Skeleton	Enclosed Type	00	\$1.00	\$1.50	\$2.00	\$2.80	\$3.00	\$3.30	\$3.40	\$3.50	\$4.50	\$5.20
Not Made	1 1/4 and 2	0	1.00	1.50	2.00	2.80	3.00	3.30	3.40	3.50	4.50	5.20
Not Made	2 1/2 and 3	0	1.00	1.50	2.00	2.80	3.00	3.30	3.40	3.50	4.50	5.20
2 1/2, 3, 3 1/2, 4	4	1	1.20	1.80	2.30	3.20	3.50	3.70	3.80	3.90	4.90	5.60
5 and 6	5 and 6	2	2.50	3.50	3.65	3.80	4.00	4.20	4.40	5.10	5.80	6.80
7 and 8	7 and 8	3	3.50	4.70	5.60	6.10	6.30	6.50	7.10	7.20	7.30	8.10
9 and 10	9 and 10	4	4.75	5.25	5.75	7.40	7.60	7.80	8.00	8.20	8.40	8.80
12, 14, 15	12 and 14	X-5	4.75	5.25	5.75	7.40	7.60	7.80	8.00	8.20	8.40	8.80
15, 16, 18	15, 16, 18	6	12.10	18.30	25.20	26.00	26.80	27.60	28.30	29.20	29.90	30.90

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY DOUBLE-GONG BELLS

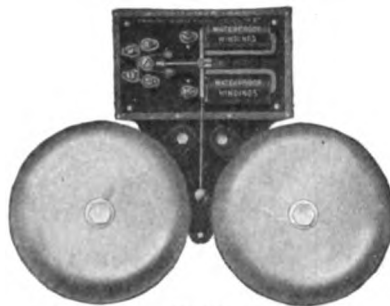
NATIONAL ELECTRICAL CODE STANDARD

ENCLOSED TYPE, VIBRATING, WEATHERPROOF, FOR BATTERY AND D. C. CIRCUITS

Cannot Be Used on A. C. Circuits



Model D, Regular Pattern
Model DP, for Conduit Work



Mechanism, Models D and DP

These bells are designed for five different D. C. service conditions, they should be connected direct on line without external resistance of any sort; but there are two distinctly different types of bells, viz: Multiple type and Series type.

Multiple type gongs for 100-125 and 220-250 volts, and battery circuits of all voltages should always be connected in multiple, like an incandescent lamp is connected to circuit. Multiple type gongs must never be connected in series.

Series type gongs, while requiring no external resistance, may be connected either in multiple or in series, the latter being particularly advantageous, however, under some conditions when lines are long and size copper small; series type gong, in operation, never opens the circuit, minimizing sparking at contacts, etc.; the operation of any one or more gongs in the series may be stopped without interfering with the working of other gongs in circuit.

These bells are entirely different from any double-gong bells on the market because of the new patented quick-break pole-reversing commutator device, which automatically reverses the pull on the armature at extreme position and keeps pull on the armature till it is up against the core; all other double-gong bells reverse the current when armature is in the middle position, causing the magnets to pull the armature in the opposite direction before the end of the stroke.

		Multiple Type, D. C.								Series Type, D. C.							
Model No.	Gong Size Each In.	Frame No.	*100-125 Volts		*220-250 Volts		*BATTERY		†100-125 Volts	*220-250 Volts		†Resis. Ohms	Price Each	Add for Conduit Pattern†			
			†R-sis. Ohms	Price Each	†R-sis. Ohms	Price Each	†R-sis. Ohms	Price Each		†R-sis. Ohms	Price Each						
D- 3	3	1	1000	\$12.90	2000	\$13.60	3	\$8.00	1000	\$12.90	2000	\$13.60		\$4.50			
D- 4	4	1	1000	13.50	2000	14.20	3	8.60	1000	13.50	2000	14.20		4.50			
D- 5	5	1	1000	16.15	2000	16.85	3	11.25	1000	16.15	2000	16.85		4.50			
D- 6	6	3	1000	20.05	2000	20.85	6	12.75	1000	20.05	2000	20.85		5.04			
D- 7	7	3	1000	21.55	2000	22.35	6	14.25	1000	21.55	2000	22.35		5.04			
D- 8	8	3	1000	23.05	2000	23.85	6	15.75	1000	23.05	2000	23.85		5.04			
D-10	10	4	1000	33.15	2000	33.55	10	24.75	1000	33.15	2000	33.55		5.40			
D-12	12	4	1000	42.15	2000	42.55	10	33.75	1000	42.15	2000	42.55		5.40			
D-14	14	4	1000	54.65	2000	55.05	20	41.25	1000	54.65	2000	55.05		5.40			
D-16	16	4	1000	68.65	2000	69.15	20	60.25	1000	68.65	2000	69.15		5.40			
D-18	18	4	1000	83.65	2000	84.05	20	75.25	1000	83.65	2000	84.05		5.40			

*To operate direct on line without external resistance.

†Ohms resistance per pair coils.

‡For conduit pattern add the letter P to Model No. and add to lists in previous columns.

Double-gong bells, above described, will be wound to any desired special resistance for use on D. C. circuits. For prices for such winding, see special listing on another page, being careful to note that double-gong bells always have to be wound to maximum resistance per coil, not per pair as single-gong bells; therefore, prices of double the resistance of single-gong bells must be figured. For example, a single-gong bell to operate without excessive sparking on a given D. C. voltage might be wound to 500 ohms, but a double-gong for same use 500 ohms per coil or 1000 ohms per pair.

In Ordering, be Sure to Specify which of the Five Types is Required and Voltage, in Addition to giving Model Number

When series type gongs are required, order must state: (a) How many gongs are to be connected in each series, (b) voltage of circuit, (c) length of line (both legs) and size of wire.

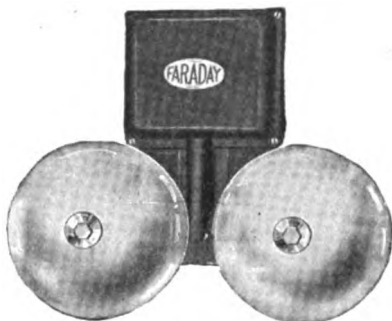
Assortment of all sizes of enclosed type gongs and buzzers permitted to make up list value, but Faraday and Competition Skeleton Bells cannot be included with enclosed type gongs or buzzers.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

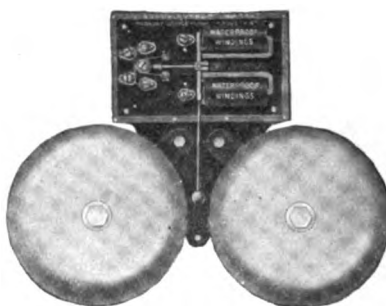
FARADAY TRANSFORMER DOUBLE-GONG BELLS

NATIONAL ELECTRICAL CODE STANDARD

ENCLOSED TYPE, VIBRATING, WEATHERPROOF, FOR 18-VOLT A. C. BELL
RINGING TRANSFORMER CIRCUITS AND 100-220-VOLT A. C.
LIGHT AND POWER CIRCUITS, 25-60 CYCLES



Model DT, Regular Pattern
Model DTP, For Conduit Work



Mechanism, Models DT and DTP

These bells are designed for five different A. C. service conditions; they should be connected direct on line without external resistance of any sort; there are two distinctly different types of bells, viz: Multiple type and Series type.

Multiple type gongs for 100 to 220-volt A. C. circuits should always be connected in multiple, like an incandescent lamp is connected to circuit. Multiple type gongs must never be connected in series.

Series type gongs, while requiring no external resistance, may be connected either in multiple or in series, the latter being particularly advantageous, however, under some conditions when lines are long and size copper small. The series type gong, in operation, never opens the circuit, minimizing sparking at contacts, etc.; the operation of any one or more gongs in the series may be stopped without interfering with the working of other gongs in circuit.

These bells are entirely different from any A. C. gongs on the market, because of the new patented quick-break pole-reversing commutator device, which automatically reverses the pull on the armature at extreme position, and keeps pull on the armature till it is up against the core. All other double-gong bells reverse the current when armature is in the middle position, causing the magnets to pull the armature in the opposite direction before the end of the stroke.

Model No.	Size Each Gong In.	Frame No.	Multiple Type, A. C.				Series Type, A. C.				Add for Conduit Pattern†
			*100-110 VOLTS	Price Each	*220 VOLTS	Price Each	*100-110 VOLTS	Price Each	*220 VOLTS	Price Each	
DT-3	3	1	400	\$11.90	800	\$12.90	1000	\$12.90	2000	\$13.60	
DT-4	4	1	400	12.50	800	13.50	1000	13.50	2000	14.20	
DT-5	5	1	400	15.15	800	16.15	1000	16.15	2000	16.85	
DT-6	6	3	30	18.35	600	19.95	1000	20.05	2000	20.85	
DT-7	7	3	30	19.85	600	21.45	1000	21.55	2000	22.35	
DT-8	8	3	30	21.35	600	22.95	1000	23.05	2000	23.85	
DT-10	10	4	24	30.50	500	32.95	1000	33.15	2000	33.55	
DT-12	12	4	24	39.50	500	41.95	1000	42.15	2000	42.55	
DT-14	14	4	24	52.00	500	54.45	1000	54.65	2000	55.05	
DT-16	16	4	24	66.00	500	68.45	1000	68.65	2000	69.15	
DT-18	18	4	24	81.00	500	83.45	1000	83.65	2000	84.05	
										30	
											\$ 9.80
											\$4.50
											4.50
											4.50
											5.04
											5.04
											5.04
											5.40
											5.40
											5.40
											5.40
											5.40
											5.40
											5.40

*To operate direct on line without external resistance.

†Resistance in ohms is the resistance of both coils combined. The actual resistance in circuit is only one-half that shown above, but it will of course be understood that each coil is wound to take the entire line-voltage, not the pair as in single-gong bells.

‡For conduit pattern add the letter P to Model No. and add to lists in previous columns.

In Ordering, be Sure to Specify which of the Five Types is Required. Voltage and Cycles, in Addition to giving Model Number

When series type gongs are required, order must state: (a) How many gongs are to be connected in each series, (b) voltage and cycles of circuit, (c) length of line (both legs) and size of wire.

Assortment of all sizes enclosed type gongs and buzzers permitted to make up list value, but Faraday and Competition Skeleton Bells cannot be included with enclosed type gongs or buzzers.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

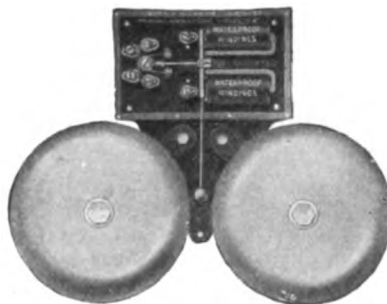
FARADAY DOUBLE-GONG BELLS

NATIONAL ELECTRICAL CODE STANDARD

**LOUD-RINGING MAGNETO-EXTENSION VIBRATING TYPE, WEATHERPROOF,
FOR A. C. MAGNETO GENERATOR CIRCUITS OF 16 $\frac{2}{3}$ CYCLES
ENCLOSED TYPE**



**Model M, Regular Pattern
Model MP, for Conduit Work**



Mechanism, Models M and MP

Mechanisms of Model M loud-ringing magneto-extension bells are of polarized type with permanent magnets, entirely different in principle from the standard double-gong bell. These bells are made in three sizes, viz.: 6-inch, 8-inch and 10-inch. They cannot be furnished in larger sizes.

Under certain line conditions, the operation of Model M bells is improved by use of condensers which are listed in two capacities at bottom of page. Prices of bells do not include condensers and in all cases where condensers are wanted, specific order for them must be given, as Model M bells are regularly furnished without condensers.

Size Gong Inches	Frame No.	Resistance Ohms per Pair Magnets	MODEL M REGULAR PATTERN		MODEL MP FOR CONDUIT WORK	
			Model No.	Price Each	Model No.	Price Each
6	3	80	M-680	\$18.85	MP-680	\$23.89
6	3	160	M-6160	19.25	MP-6160	24.29
6	3	300	M-6300	19.85	MP-6300	24.89
6	3	500	M-6500	19.95	MP-6500	24.99
6	3	1000	M-61000	20.05	MP-61000	25.09
6	3	1200	M-61200	20.85	MP-61200	25.89
6	3	1600	M-61600	20.85	MP-61600	25.89
8	3	80	M-880	21.85	MP-880	26.89
8	3	160	M-8160	22.25	MP-8160	27.29
8	3	300	M-8300	22.85	MP-8300	27.89
8	3	500	M-8500	22.95	MP-8500	27.99
8	3	1000	M-81000	23.05	MP-81000	28.09
8	3	1200	M-81200	23.85	MP-81200	28.89
8	3	1600	M-81600	23.85	MP-81600	28.89
10	3	80	M-1080	30.85	MP-1080	35.89
10	3	160	M-10160	31.25	MP-10160	36.29
10	3	300	M-10300	31.85	MP-10300	36.89
10	3	500	M-10500	31.95	MP-10500	36.99
10	3	1000	M-101000	32.05	MP-101000	37.09
10	3	1200	M-101200	33.55	MP-101200	38.59
10	3	1600	M-101600	33.55	MP-101600	38.59

CONDENSERS

Mfrs. No.	Capacity	Price Each
CMF-2	2MF	\$2.00
CMF-4	4MF	3.80

Assortment of all sizes enclosed type gongs and buzzers permitted to make up list value, but Faraday and Competition Skeleton Bells cannot be included with enclosed type gongs or buzzers.

FARADAY TRANSFORMER UNDERDOME SIGNAL GONGS
NATIONAL ELECTRICAL CODE STANDARD
ENCLOSED TYPE, VIBRATING, WEATHERPROOF, FOR 18-VOLT A. C. BELL RINGING
TRANSFORMER CIRCUITS AND 100-220-VOLT A. C. LIGHT AND
POWER CIRCUITS, 25-60 CYCLES



Model UT

Mechanism

Models UTP and UTFP

Models UT, UTP and UTFP

The mechanism of these transformer gongs is entirely different in design and operation from the ordinary type of signal gong. They have no contacts, can be operated in series or in multiple with absolutely no sparking and may be safely installed in places where presence of gas, inflammable vapors and dust have hitherto made the use of electric signalling apparatus dangerous, if not actually impossible.

The extreme rapidity of vibration gives a sound just as satisfactory for code signalling as a single-stroke gong. They are regularly furnished to operate direct in multiple without external resistance on 18-volt, 110-volt and 220-volt circuits. When specially ordered, they will be furnished to operate as follows, viz.: (a) In series (any number as may be specified not exceeding 10 gongs) on 100-110 volts A. C. light and power circuits, 25-60 cycles. (b) In series (any number as may be specified not exceeding 20 gongs) on 220 volts A. C. light and power circuits, 25-60 cycles.

Even when as many as 20 transformer gongs are connected in series on a 220-volt circuit or 10 on 110-volt circuit, the current consumption of all gongs is no greater than that required by one gong, an important desideratum in satisfactory operation and life of circuit closing devices.

Magnet cores are of latest type laminated construction; windings are of enameled wire, and every detail of the mechanism is of the same standard as light and power circuit apparatus.

When used on bell ringing transformers, it is very important that the transformer be of sufficient capacity or satisfactory gong operation is impossible. Ample size copper in line between transformers and gongs is also an absolute essential.

Model UT (no outlet box back), UTP and UTFP (with outlet box backs) fill a long felt want, providing as they do, an absolutely non-sparking mechanism for operation on A. C. circuits.

For Use Direct in Multiple on 18-volt 25-60-cycle A. C. Bell Ringing Transformer Circuits

Size Gong Inches	Frame No.	MODEL UT		MODEL UTP		MODEL UTFP	
		FOR REGULAR WORK Model No.	Price Each	FOR EXPOSED CONDUIT WORK Model No.	Price Each	FOR FLUSH CONDUIT WORK Model No.	Price Each
8	3	UT-8	\$24.05	UTP-8	\$33.05	UTFP-8	\$29.09
10	4	UT-10	34.15	UTP-10	44.15	UTFP-10	39.15
For Use Direct in Multiple on 100-110-volt 25-60-cycle A. C. Light and Power Circuits							
8	3	UT-8	23.05	UTP-8	32.05	UTFP-8	28.09
10	4	UT-10	33.15	UTP-10	43.15	UTFP-10	38.15
For Use Direct in Multiple on 200-220-volt 25-60-cycle A. C. Light and Power Circuits							
8	3	UT-8	23.85	UTP-8	32.85	UTFP-8	28.89
10	4	UT-10	33.15	UTP-10	43.95	UTFP-10	38.55

For Use in Series (Any Number as May be Specified not Exceeding 10 Gongs) on 100-110-volt 25-60-cycle A. C. Light and Power Circuits

8*	3	UT-8	24.05	UTP-8	33.05	UTFP-8	29.09
10*	4	UT-10	34.15	UTP-10	44.15	UTFP-10	39.15

For Use in Series (Any Number as May be Specified not Exceeding 20 Gongs) on 200-220-volt 25-60-cycle A. C. Light and Power Circuits

8*	3	UT-8	24.05	UTP-8	33.05	UTFP-8	29.09
10*	4	UT-10	34.15	UTP-10	44.15	UTFP-10	39.15

*When series gongs are ordered, specify the number to be connected in series together with voltage and cycles of circuit.

Transformers must always be of sufficient capacity or gong operation is impossible. Ample size copper conductors between transformers and gongs is also very necessary.

Assortment of all sizes of enclosed type gongs and buzzers permitted to make up list value but Faraday and Competition Skeleton Bells cannot be included with under-dome gongs or buzzers.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY LOW VOLTAGE CAR SIGNAL OUTFITS

WEATHERPROOF

Low voltage Faraday Car Signal Outfits are standard the country over because they absolutely do away with maintenance expense and interrupted service.

These outfits consist of either the Model 95 or Model 94 Faraday Car Signal Buzzer with Patterson Battery Sets either of the Strip Type B or the Steel Box Type BB.

Two (2) types of car signal buzzers are made, viz..

No. 95 Standard.

No. 94 Extra Loud.

The No. 95 Standard has the Faraday "High Power" Armature and gives twice as loud a sound as competitive makes; the No. 94 Extra Loud shown in third illustration on this page has, in addition to the "High Power" armature, a heavy steel ball at end of armature rod—this steel ball striking on extension of the base frame casting with such force and rapidity as to make the signal three times as powerful as the No. 95.

We recommend the steel box type battery set for use on these car signal outfits in place of the open strip type, but of course either battery holder may be used with perfectly satisfactory results.

Four-cell battery sets are recommended for car signal work with 5-ohm Faraday Buzzers as giving most satisfactory results; when 5-ohm buzzers are required same must be specially ordered, for otherwise standard 1.5-ohm buzzers will be furnished.

Both Nos. 94 and 95 Faraday Car Signal Buzzers will be furnished in lots of 100 or more with name of railway company cast on the cover and brought out in gilt, without extra charge. Special resistance buzzers furnished to order. Prices same as for No. 1 frame enclosed type bells. See another page. Triplex Pure Platinum Contacts, \$3.00 net, per buzzer, extra.

Model B Strip Type Battery Holders (see lower illustration) are furnished with two types of hinge brackets.

(a) No. 1 hinge, for mounting on upright surface.

(b) No. 2 hinge, for mounting on horizontal surface.

Both of the above permit the lifting of holder, so that renewal of cell is the easiest possible operation.

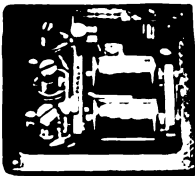
Trade No.	Description	Price Each
42876	Faraday Car Signal Buzzer, No. 95 Standard	\$4.00
42877	Faraday Car Signal Buzzer, No. 94 Extra Loud	4.25
42878	Box type Patterson Battery Set, street railway Type BB-2 (2-cell size), complete, with steel case and padlock (no cells)...	6.00
42879	Same as above, except 3-cell size	7.80
42880	Same as above, except 4-cell size	9.60
42881	Strip type Patterson Battery Set, street railway type B (2-cell size), no cells	3.00
42882	Same as above, except 3-cell size	4.50
42883	Same as above, except 4-cell size	6.00

NOTE.—Buzzers for operation on 4-cell outfits should be ordered wound to 5 ohms resistance. No extra charge for this.

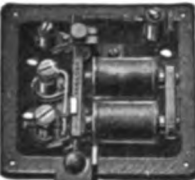
No battery cells are included in the above prices. For Patterson Columbia Cells, add 1 cent per cell to barrel lot of old style binding post cell.



Model 95 Buzzer
Standard Lettered Cover



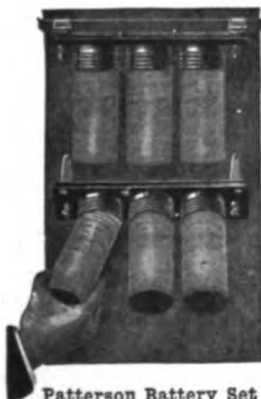
Model 95 Buzzer
Cover Removed



Model 94 Buzzer
Cover Removed



Patterson Battery Set
Box Type BB



Patterson Battery Set
Strip Type B
Mounted Under Car Seat
Lower Strip Shows No. 1 Hinge
Upper Strip Shows No. 2 Hinge

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY HIGH VOLTAGE CAR SIGNAL SYSTEMS



No. 19402 Resistance Panel



No. 19403 High Voltage Buzzer

No. 19405
Surface Type
Push Button

The Faraday Car High Voltage Signal System provides a dependable and economical means of operating car push button signal systems direct from the trolley circuit of 500 to 600 volts.

Standard complete outfits consist of two car signal buzzers, one 600-volt resistance panel with enclosed fuse and the necessary number of push buttons. Single stroke or vibrating bells may be substituted in place of buzzers if desired.

The buzzers are wound to a resistance of 1000 ohms and are insulated with hard rubber and mica. Heavy contacts and micrometer lock adjustments are used which cannot possibly change, from car vibration. The frame castings and covers are insulated from the mechanism, and a soft rubber gasket makes the enclosure waterproof under all conditions.

The resistance panels are mounted on Monson slate bases and contained in cast iron covers. The resistance units are supplied in cartridge form with terminal clips so that they may be readily removed and replaced. Connections for a special $\frac{3}{4}$ -ampere enclosed fuse are also included.

The push buttons are designed specially for this service, being double break and actuated by a spiral spring. The leads consist of 20 inches of stranded, rubber covered braided wire which are carried into the molded composition base of the button and all parts are permanently attached, making the buttons absolutely tamper proof.

No. 19591 Flush Type
Push Button

The listing below covers standard high voltage car signal system outfit, although single stroke or vibrating bells or extra loud buzzers may be substituted at an additional charge.

Mfrs. No.		Price Each
19588	Faraday standard high voltage car signal system, outfit consisting of No. 19402 resistance panel with resistance unit and enclosed fuse, two No. 19403 car signal buzzers and twenty No. 19405 high voltage push buttons.....	\$33.00

PUSH BUTTONS

19405	Faraday surface type high voltage push button, $2\frac{1}{8} \times 1\frac{1}{4}$ inches.....	.75
19590	Faraday flush type high voltage push button, $3\frac{1}{8} \times 1\frac{3}{8}$ inches.....	1.60
19591	Faraday flush type high voltage push button, $2\frac{3}{4} \times 1\frac{1}{8}$ inches.....	1.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDWARDS RECTI BELLS

No. 100—3 OHMS

It is weatherproof and is designed for fire alarms, automobiles, factories, signal systems, mine or marine use. Heavy cast japanned box, with oil-soaked felt gasket, enclosing mechanism; direct-acting straight line hammer rod; magnets impregnated with moisture-resisting compound; contacts extra heavy.



No. 100



No. 219



No. 100 A. C.



No. 220



No. 78815



No. 78826

Trade No.	Size In.	VOLTS, DIRECT CURRENT					
		Up to 6	7 to 25	26 to 50	51 to 100	110 to 120	150 to 220
086442	3	\$6.10	\$7.10	\$7.85	\$9.10	\$8.85	\$13.00
086443	4	6.44	7.44	8.19	9.44	9.20	13.50
086444	5	10.53	11.78	12.88	14.83	14.60	19.50
086445	6	11.92	13.17	14.27	16.00	15.75	20.75
086446	7	13.37	14.62	15.72	17.50	17.25	22.25
086447	8	14.72	15.97	17.07	18.80	18.55	23.50
086448	9	20.20	21.95	23.90	24.70	24.45	29.95
086449	10	24.69	26.44	28.00	29.20	29.00	34.50
086450	12	33.68	35.36	37.36	38.85	38.60	44.50
086451	14	41.14	43.15	45.15	46.65	46.00	52.00
086452	15	82.49	85.49	88.99	90.49	85.75	93.75
086453	16	86.41	89.41	93.41	97.90	92.41	102.00
086454	18	98.21	101.21	105.21	109.70	106.21	116.00

Prices for special resistance bells quoted on application.

For carbon contacts in sizes 3 and 4-inch, add to list, 50 cents.

RECTI-UNDERDOME BELLS, No. 219

Furnished at same prices as No. 100 standard bells, listed above.

ALTERNATING CURRENT TYPE, No. 100 A. C.

18 to 110 Volts, Single-Phase, 25, 40 or 60 Cycles—Carbon Contacts

An adaptation of the Recti Bell, retaining all of the desirable features of this well-known type, with an assurance of positive and vigorous operation on alternating current.

Trade No.	Size Inches	Volts	Price Each	Trade No.	Size Inches	Volts	Price Each
086462	4	18-110	\$10.56	086466	8	110	\$22.59
086463	5	30-110	17.54	086467	9	110	30.97
086464	6	30-110	19.24	086468	10	110	36.34
086465	7	110	20.91	78832	12	110	48.63

Also furnished for 220 volts. Prices special.

BUZZERS, No. 220—3 OHMS

Construction and specifications similar to the Recti No. 100, shown above.

Trade No.	Style	—DIMENSIONS, INCHES—			Price Each
		Height	Width	Depth	
086470	A, without carbon contacts	4½	3½	2½	\$4.80
086471	B, with carbon contacts...	6	4½	2¾	7.20

If Style A is wanted with carbon contacts, add to list, 50 cents.

For alternating current, add for Style A, \$3.75; Style B, \$4.50.

GRIDS FOR RECTI BELLS

It is sometimes considered necessary to have additional protection for bells to prevent the maliciously inclined from tampering with or breaking the gong or so deaden the sound that it would not be heard. For this purpose the part grid or full grid is furnished. Any Recti type bell, except No. 219, can be supplied with grids.

In ordering, add to manufacturers' number the letters P. G. for part grid or F. G. for full grid.

Size Inches	Trade No.	Part Grid		Trade No.	Full Grid	
		Price Each			Price Each	
4	78815	\$1.75		.....	.....
5	78816	2.00		78826	8.00	
6	78817	2.00		78827	8.00	
7	78818	2.00		78828	8.00	
8	78819	2.00		78829	10.00	
10	78820	2.00		78830	17.50	
12	78821	2.50		78831	24.00	
14	78822	2.50		.....	.....
15	78823	5.00		.....	.....
16	78824	6.00		.....	.....
18	78825	10.00		.....	.....

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDWARDS RECTI BELLS



No. 217

No. 217 HIGH VOLTAGE TYPE

Long, quick-break contacts, slate base mounting, operates gong up only. Designed for intermittent service; not weatherproof. Suitable for use directly on the line without external resistance.

Trade No.	Size Inches	VOLTS, DIRECT CURRENT		
		Up to 299	300 to 499	500 to 600
086455	6	\$31.00	\$38.00	\$41.50
086456	8	34.50	42.00	44.50
086457	10	45.50	51.50	55.50
086458	12	56.00	62.00	65.00
086459	14	70.00	76.50	79.50
086460	16	108.00	114.60	117.50
086461	18	129.00	135.50	138.25

No. 100U FOR SPRINKLER SYSTEMS

Approved by National Board of Fire Underwriters for sprinkler systems and on all voltages up to 250 volts. A new type of the Recti Bell, which includes the many exceptionally desirable features of the other types of the same bell. Binding posts are not used; instead flexible wire leads are brought from the case through insulating bushings to which line wires can be properly connected. This is a method preferred by the Underwriters' Laboratory and many engineers as superior to a friction contact.



No. 100U

Standard Up to 6 Volts

Trade No.	Size Inches	Price Each	Trade No.	Size Inches	Price Each
78781	3	\$6.10	78788	10	\$24.69
78782	4	6.44	78789	12	33.36
78783	5	10.53	78790	14	41.15
78784	6	11.92	78791	15	82.49
78785	7	13.37	78792	16	86.41
78786	8	14.72	78793	18	98.21
78787	9	20.26	.....	..	.....

Prices for other voltages or special resistance same as No. 100 Recti Bell.

No. 100A AUTOMOBILE TYPE

The mechanism is positively dust and mud-proof, and may be placed on the outside of vehicle without being encased. Operates on a direct current from either primary or storage batteries. In ordering, always state voltage of battery they are to work on.



No. 100A

Standard up to 88 Volts

Trade No.	Size Inches	Price Each	Trade No.	Size Inches	Price Each
78794	5	\$10.53	78797	8	\$14.72
78795	6	11.92	78798	10	24.68
78796	7	13.37	78799	12	33.36

No. 1001 WITH CONDUIT ATTACHMENT

Direct Current

Trade No.	Size Inches	VOLTS					
		Up to 6	7 to 25	26 to 50	51 to 100	110 to 120	150 to 220
78800	6	\$15.92	\$17.17	\$18.25	\$20.00	\$19.75	\$24.75
78801	8	18.72	19.97	21.07	22.80	22.55	27.50
78802	10	28.19	29.94	31.50	32.70	32.50	38.00
78803	12	36.86	38.86	40.86	42.35	42.10	38.00
78804	14	44.40	46.40	48.40	49.90	49.00	55.25

25, 40, 60 CYCLES

Alternating Current

Trade No.	Size Inches	Volts	Price Each	Trade No.	Size Inches	Volts	Price Each
78805	4	18-110	\$13.20	78813	8	110	\$26.25
78806	4	220	17.50	78814	8	220	31.30
78807	5	30-110	21.13	135501	9	110	37.16
78808	5	220	26.26	135502	9	220	42.65
78809	6	30-110	23.00	135503	10	110	40.00
78810	6	220	28.00	135504	10	220	45.25
78811	7	110	25.09	135505	12	110	52.26
78812	7	220	30.10	135506	12	220	58.16



No. 1001

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDWARDS SINGLE-STROKE BELLS



No. 20



No. 21 F. P.

VIGILANT—6 OHMS

No. 20

Size In.	Single-stroke		Vibrating		Comb. Single-stroke and Vibrating	
	Trade No.	Price Each	Trade No.	Price Each	Trade No.	Price Each
2½	086492	\$5.80	086505	\$6.80	086518	\$7.80
3	086493	6.00	086506	7.00	086519	8.00
4	086494	6.50	086507	7.50	086520	8.50
5	086495	7.50	086508	8.50	086521	9.50
6	086496	8.50	086509	9.50	086522	10.50
7	086497	9.50	086510	10.50	086523	11.50
8	086498	14.00	086511	15.50	086524	16.50
9	086499	15.00	086512	16.50	086525	17.50
10	086500	16.50	086513	18.50	086526	19.50
12	086501	18.00	086514	20.00	086527	21.00
14	086502	35.00	086515	37.50	086528	38.50
16	086503	42.50	086516	45.00	086529	46.00
18	086504	55.00	086517	57.50	086530	58.50

No. 21 F. P.

Protected Vigilant. Finish red enamel.

Trade No.	Size Inches	Price Each	Trade No.	Size Inches	Price Each
78852	6	\$8.80	097001	10	\$13.20
78853	8	11.00	097002	12	16.50

ELECTRO-MECHANICAL GONGS—5 OHMS

Will operate on either open or closed circuit, and can be arranged to operate as a single stroke or constant ringing gong.

These bells are guaranteed to give 350 blows to one winding. Where so ordered, they can be equipped with a special contact-making device, which closes a local circuit to ring a bell as an indication that rewinding is necessary. The device is insulated from and independent of the regular alarm circuit, and operates when the bell has arrived at a capacity of about 60 blows; or will operate if the main spring should break.

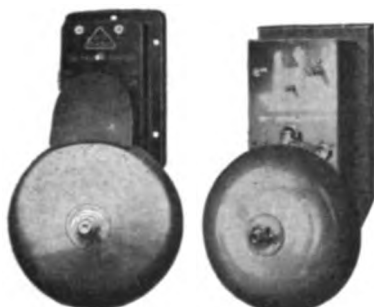


No. 1331

WEATHERPROOF

No. 1330, for Concealed Conduit		No. 1331, for Surface Conduit		Size Inches	Price Each
Trade No.		Trade No.			
78844		78847		6	\$43.00
086472		086481		8	44.20
086473		086482		10	46.50
086474		086483		12	50.80
78842		78843		14	59.40
78845		78848		15	64.00
78846		78849		16	68.00
097003		78850		18	81.50

For winding indicator, add to list, \$5.00.



No. 133

No. 132

No. 133

Trade No.	Size Inches	Price Each	Trade No.	Size Inches	Price Each
086574	6	\$39.80	086578	14	\$56.70
086575	8	41.00	086579	15	60.80
086576	10	43.90	086580	16	64.80
086577	12	47.60	086581	18	78.30

INTERIOR TYPE

No. 132

Trade No.	Size Inches	Price Each	Trade No.	Size Inches	Price Each
78851	4	26.50	086572	8	30.70
086570	5	27.40	086573	9	33.40
086571	6	28.70	.....	..	.....

Prices on special resistance gongs on application.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PR BELLS AND BUZZERS

TRANSFORMER BELLS AND BUZZERS

Sizes 2½ to 12 Inches

All bells listed on this page in sizes 5 to 12 inches are approved by the National Board of Fire Underwriters.

These transformer bells are of special construction for use on alternating current lighting circuits with low voltage transformer. They are made in all sizes from 2½ to 12 inches. Any number of the same size or assorted sizes may be installed on the same circuit connected in multiple and operated simultaneously from one transformer.

These bells are especially in demand for all large installations for fire alarm and signal work. They save the expense of installing batteries and the subsequent trouble and expense of battery maintenance.



Marlo
Transformer Bell

MARLO IRON BOX TRANSFORMER BELLS AND BUZZERS

The Marlo Bell has two sets of binding posts and carbon contacts. The gongs are of stamped bell metal handsomely nickel-plated. The base and sheet metal cover are attractively finished in Bauer-barff.

Trade No.	Size of Gong Inches	Weight, Each		Price Each
		Net	Packed	
76479	2½	9 oz.	10 oz.	\$2.00
76480	3	9 oz.	10 oz.	2.12
76481	4	13 oz.	14 oz.	2.30
76482	5	4½ lbs.	5½ lbs.	6.90
76483	6	6 lbs.	7 lbs.	7.62
76484	7	7 lbs.	8 lbs.	8.80
76485	8	7½ lbs.	8½ lbs.	10.60
76486	10	10 lbs.	11 lbs.	16.00
76487	12	12½ lbs.	14 lbs.	20.00
76488	Fancy gong bells	12 oz.	13 oz.	2.50
76489	Buzzer, japanned	7 oz.	8 oz.	1.88



Marlo A. C. Bell
Cover Removed

WEATHERPROOF TRANSFORMER BELLS

Small Sizes—2½ to 4 Inches

Made with heavy cast iron weatherproof cover which encloses entire base, and makes a reliable and serviceable weatherproof bell.

76511	2½	3 oz.	4 oz.	3.25
76512	3	3 oz.	4 oz.	3.37
76513	4	3¼ oz.	4¼ oz.	3.55
76514	Fancy gong bells	3½ oz.	4½ oz.	3.75

Large Sizes—5 to 12 Inches

Made in two styles. One style has heavy cast iron cover, as shown in illustration, enclosing the entire movement and upper portion of base. The other style has cast iron cover with an apron extending over the upper portion of the gong and protecting the striker arm and hammer. This style is not illustrated.

Size of Gong Inches	Trade No.	Without Apron		Trade No.	With Apron	
		Wt., Lbs.	Price Each		Wt., Lbs.	Price Each
5	76515	5½	\$ 9.40	76490	6	\$10.90
6	76516	7	10.12	76491	7½	11.62
7	76517	8	11.30	76492	9	12.80
8	76518	8½	13.10	76493	10	14.60
10	76519	11	18.50	76494	13	20.00
12	76520	14	22.50	76506	17	24.00



Weatherproof
A. C. Bell

On both of the above styles a heavy insulating compound is used on the back of the base, protecting all current-carrying parts from moisture.

Transformer bells cannot be assorted with battery bells to secure quantity prices on the latter.

Fancy gong bells furnished in the following types as selected: Cow, sleigh, tea, garland, dome, and new band at the same price.

General Information

Transformer bells are furnished for 60 cycles A. C., with secondary voltage of 12 to 24 volts. Special windings can be supplied for other frequencies, such as 25-30-40 or 50 cycles alternating current.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

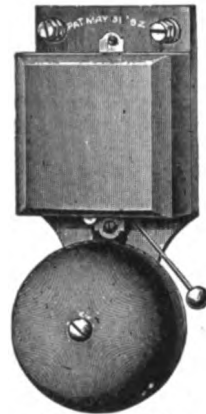
BELLS



Eaco Iron Box Bell



Wizard Iron Box Bell



Wood Box Bell



Monitor Bell



Tyrolean Bell



Duplex Vibrating Bell

EACO IRON BOX BELLS

The Eaco Iron Box Bells represent the highest type of bell on the market. They have pivoted armatures and adjustable contacts.

Trade No.	Size, Gong Inches	Price Each
38791	2½	\$0.54
38792	3	.56
38793	4	.70
With Platinum Contacts		
38794	2½	1.04
38795	3	1.06
38796	4	1.20

WIZARD IRON BOX BELLS

These bells are well made in every way, have non-adjustable contacts and non-pivoted armature.

38797	2½	.50
38798	3	.52
38799	4	.66

WOOD BOX BELLS

These bells have the same mechanism as the Eaco Iron Box Bell, the frame having an extension neck to carry the gong, the result being that the armature stands in the same relation to the gong, no matter whether the wood shrinks or not.

38800	2½	.90
38801	3	.92
38802	4	1.06

MONITOR BELLS

The only double adjustment dust and bug-proof round bells in the market. It is necessary to take off the entire bell to get at the mechanism. Adapted for telephones, street cars, elevators, etc.

38806	3	1.20
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TYROLEAN BELLS

This makes a very elegant hall bell. From a handsome bracket is suspended a 4-inch tea gong, inside of which is placed the electric vibrating mechanism. It will operate nicely on two cells of battery.

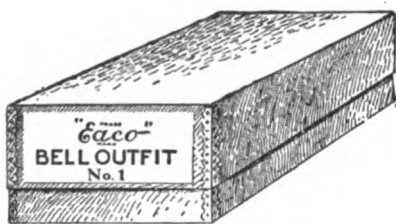
Trade No.	Finish	Price Each
38803	Nickel-plated	\$6.00
38804	Oxidized copper	7.00

DUPLEX VIBRATING BELLS

Furnished complete as illustrated. Rings upon regular battery circuit. One gong standard is adjustable.

Trade No.	Size, Gong Inches	Price Each
38805	2	\$1.40

BELLS AND BUZZERS



Eaco Bell Outfit No. 1

Iron Box
With Rectangular GongIron Box
With Sleigh GongIron Box
With Wood GongWood Box
With Tea Gong

Iron Box Buzzer



Wood Box Buzzer



Watchcase Buzzer



Nutmeg Watchcase Buzzer

EACO ELECTRIC BELL OUTFITS

For the convenience of special trade we put up several styles of electric bell outfits. These are put up complete in separate boxes ready for use. We are also prepared to put up to order special outfits for particular lines of trade.

Outfit No. 1

This outfit consists of one 2½-inch Wizard Iron Box Bell, one dry battery, one metal push button, 50 feet of annunciator wire, staples, etc., packed complete in paper box ready for use.

Trade No.	Description	Price Each
38766	Outfit No. 1, complete	\$1.50

Outfit No. 2

This outfit consists of one 3-inch Eaco Iron Box Bell, one 1900 dry battery, one screw cap bronze push button, 75 feet of annunciator wire, staples, etc., packed complete in paper box ready for use.

38767	Outfit No. 2, complete	2.00
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EACO BELLS WITH FANCY GONGS

Iron Box

38768	With rectangular gong, 1½x1¾ in.	.90
38769	With sleigh gong, 1½ in. diameter.	.90
38770	With tea gong, 2½ in. diameter....	.90
38771	With wood gong, 2½ in. diameter..	.90

Wood Box

38772	With rectangular gong, 1½x1¾ in.	1.26
38773	With sleigh gong, 1½ in. diameter.	1.26
38774	With tea gong, 2½ in. diameter....	1.26
38775	With wood gong, 2½ in. diameter..	1.26

IRON BOX BUZZERS

38776	Same as the box part of Eaco Iron Box Bell .....	.52
38777	Same as the box part of Wizard Iron Box Bell.....	.48

WOOD BOX BUZZERS

38778	Same as box part of wood box bell.	.88
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WATCHCASE BUZZERS

A perfectly adjusted buzzer placed in a nickel-plated tin box, and fitted with binding posts on outside of case. The armature will not stick, which is the trouble frequently found in small metal buzzers.

028024	1/8x1¼ inches90
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NUTMEG WATCHCASE BUZZERS

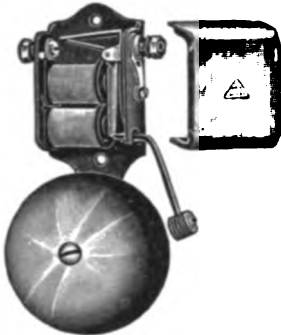
The works of the Nutmeg Watchcase Buzzer are built along the lines of the Eaco Bell on a smaller scale; the binding posts, which are brass heavily plated, are concealed. The cover springs on over a raised flange on the base and is thereby held firmly in position without the aid of springs or screws. Is easily removed and as easily replaced.

This buzzer is designed for use where a loud noise is objectionable and neatness is desired.

044470	Class B.....	.90
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

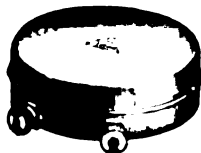
BELLS, BUZZERS AND CIRCUIT CLOSING DEVICES



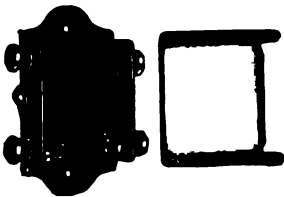
Lungen Bell



Lungen Buzzers

Constant
Ringing
Bell

Watchcase Buzzer

Constant
Ringing
Drop

Relay

LUNGEN BELLS

No. 13—3 Ohms

Cover and base formed steel; unit hammer rod and armature; pivoted armature; small hammer rod channel; heavy spring nut adjustment; brass gong heavily nickeled; ribbed edges, spring cover. Compact, positive acting, durable, insect-proof.

Trade No.	Mfrs. No.	Size Inches	Std. Pkg.	Price Each
094351	13	1	6	\$1.00
094352	13	1 1/4	6	.90
094353	13	2	6	.92
094354	13	2 1/2	12	.70
094355	13	3	12	.75
094356	13	4	12	1.00

Fancy gongs may be used on the 2 1/2-inch size; price, complete bell, each, \$1.08.

Sizes may be assorted in quantity of 12 to make standard package.

FINISH.—1-inch size, all nickel; other sizes, enameled base, nickel gong and cover.

Special finishes. Prices on application.

LUNGEN BUZZERS

No. 15—3 Ohms

Cover and base formed sheet steel; pivoted armature; spring nut adjustment; ribbed edge, spring cover. Positively dust and insect-proof.

Trade No.	Size No.	Std. Pkg.	Price Each	Trade No.	Size No.	Std. Pkg.	Price Each
094364	0	12	\$0.90	094367	3	12	\$0.85
094365	1	25	.65	094368	4	12	.90
094366	2	12	.80	.....	..	..	....

Assortment of 25 permitted to make standard package.

FINISH.—No. 0, full nickel; larger sizes, japanned base, nickel cover.

Special finishes. Prices on application.

BRONX BUZZERS

Watchcase, No. 750—3 Ohms

A brass case, heavily nickel-plated; phosphor-bronze springs; silver contacts. Packed one in a paper box, 25 boxes in a carton. Dust, rust and insect-proof. Specially convenient to carry in pocket for testing. The smallest round buzzer made.

Trade No.	Mfrs. No.	Size, Inches	Less than 6	PRICE, EACH	100 and over
094369	750	5/8 1 3/4	\$0.60	\$0.56 \$0.52	\$0.46

CIRCUIT CLOSING DEVICES

Constant Ringing Bell, No. 27—4 Ohms

When circuit closes, lever drops and bell rings until circuit is broken by raising lever. Cover, lever and binding posts, nickel; japanned base.

Trade No.	Size Inches	Price Each	Trade No.	Size Inches	Price Each
091725	2 1/2	\$1.70	091728	5	\$4.00
091726	3	1.80	091729	6	6.00
091727	4	2.00	.....	...	....

Constant Ringing Drop, No. 26—4 Ohms

Used on main line. Operation same as No. 27.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
091730	26B	For battery.....	6	\$1.25
091731	26M	For magneto, 80 ohms	6	1.75
091732	26X	Indicating buzzer....	6	1.75

Assortment permitted to make standard package.

Relay, No. 112—10 Ohms

Used for closing external or secondary circuits.

091733	112	Nickel finish, jap. base	6	1.50
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BELLS AND TRANSFORMERS



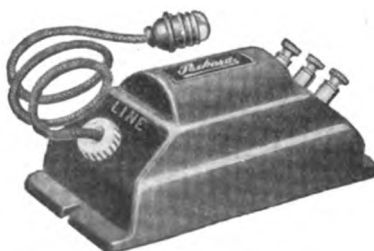
Ideal Gong



Belle Bell Ringing Transformer



Heavy Duty Bell Ringing Transformer

Toy Transformer
Master Lever Type

Toy Transformer, Fixed Voltage Type

IDEAL ALTERNATING CURRENT GONGS

60-Cycles

Especially suitable for hotels, factories, mines, fire and burglar alarms, schools, central stations, railway signals, machine and boiler shops and other locations requiring an especially loud and reliable gong having a long life and never requiring adjustment.

Each gong is an especially neat indoor bell.

Each gong is a perfect weatherproof bell.

Each gong is an extremely loud vibrating A. C. bell.

Each gong is a first-class single-stroke D. C. bell.

One type perfectly fills four classes of requirements.

Ideal Gongs have no vibrating contacts, permanent magnets or other permanent sources of annoyance.

All mechanism is enclosed. These gongs are especially recommended for inaccessible and difficult exposed locations where absolute reliability is required. Furnished in black enamel with nickel-plated gongs.

Trade No.	Size Inches	Volts	Price Each
43281	8	100-125	\$20.00
43282	8	200-250	20.00
43283	10	100-125	25.00
43284	10	200-250	25.00

PACKARD BELLE PORCELAIN-CLAD BELL-RINGING TRANSFORMERS

The Packard Belle is a small, self-contained device with no moving parts, entirely porcelain clad. Furnished with glazed finish in blue.

Standard models have sufficient capacity to operate four 2½-inch bells at the same time. Will also operate buzzers and door openers. To successfully operate more or larger bells it is desirable to connect two transformers with primaries in multiple and secondaries in series. Standard models are wound for 100 to 130 volts and 200 to 250 volts. Standard package, 12.

Trade No.	Type	Cycles	Volts	Length	Width	Height	Wt. Lbs.	Price Each
135773	D-1	60	110	3¾	3	3½	1¾	\$2.50
135774	D-2	60	220	3¾	3	3½	1¾	3.00
135775	G-1	25	110	3¾	3	3½	1¾	3.00
135776	G-2	25	220	3¾	3	3½	1¾	3.50

PACKARD HEAVY DUTY BELL RINGING TRANSFORMERS

Trade No.	Universal Frequency	Primary	Secondary	Voltage	Cap. Std. Wt. Pkg.	Price Each
135777	25-133	110 or 220	6, 12, 18	50	12	\$5.00

PACKARD TOY TRANSFORMERS

Designed to reduce the alternating current used for the lighting circuit to a value adaptable to electric toys. Will last indefinitely. Control lever provides a wide range of speed. Furnished with 9 feet of flexible cord and attachment plug.

MASTER LEVER TYPE

Secondary Voltage, 0-24 Volts; Capacity, 125 Watts

Trade No.	Type	Cycles	Volts	Height	Diam.	Wt. Lbs.	Price Each
135778	H-1	60	110	5	4⅝	6½	\$10.00
135779	H-2	60	220	5	4⅝	6½	10.00
135780	J-1	25	110	5	4⅝	6½	10.00
135781	J-2	25	220	5	4⅝	6½	10.00

FIXED VOLTAGE TYPE

Secondary Voltage, 6, 12 and 18 Volts; Capacity, 50 Watts

Trade No.	Type	Cycles	Volts	Height	Diam.	Wt. Lbs.	Price Each
135782	HD-1	60	110	6¾	3⅝	5	5.00
135783	HD-2	60	220	6¾	3⅝	5	5.00
135784	HE-1	25	110	6¾	3⅝	5	5.00
135785	HE-2	25	220	6¾	3⅝	5	5.00

Standard package, 12. This type is similar in design to Heavy Duty Bell Ringing Type.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

JEFFERSON TRANSFORMERS

BELL-RINGING TRANSFORMERS



Junior Bell-ringing Transformer



Type B Bell-ringing Transformer



No. 1 Toy Transformer



Little Jeff Toy Transformer

These transformers are designed to be connected to the ordinary alternating current lighting circuit and will step down the voltage to operate all classes of bells, buzzers, door openers, annunciators and other signal work such as may be found in residences, offices, factories, mines, schools, etc.

The Junior Bell Ringer is designed for all classes of light signal work such as may be found in the ordinary residence or flat building.

The Tri-volt Bell Ringer designed for heavier work than the Junior Type, especially where long leads are used. Generates three secondary voltages: 6, 12 and 18.

Type B is designed for heavier signal work and installations. Generates three secondary voltages: 6, 14 and 20.

The Heavy Duty Type B is designed especially to take care of large installations and to operate a greater number of bells than the standard Type B. Generates three secondary voltages: 6, 14 and 20.

Type C will take care of extra large bells and other signal work such as is found in schools, factories, mines, etc. Generates four secondary voltages: 6, 12, 18 and 24.

Trade No.	Type	Capacity Watts	Dimensions Inches	Wt. Lbs.	Price Each
112557	Junior	24	2 $\frac{5}{8}$ x2 x6	2 $\frac{1}{2}$	\$2.50
112573	Tri-volt	25	2 $\frac{1}{2}$ x2 x5	2	3.00
112558	B	40	3 x3 $\frac{3}{4}$ x4	4	5.00
112559	B Heavy Duty	75	3 $\frac{3}{4}$ x4 $\frac{1}{8}$ x6	7 $\frac{1}{2}$	7.00
112560	C Heavy Duty	125	3 $\frac{3}{4}$ x4 $\frac{1}{8}$ x6	9	9.00

110 or 220-volt, 25, 60, or 133-cycle transformers are all furnished at the same price.

FLEXIBLE TOY TRANSFORMERS

The flexible feature of these transformers consists of a regulating switch and master connection post, by means of which a range of voltages from zero to the maximum limit of the transformer is available in small and uniform steps. Mounted in black enameled steel cases and equipped with an extension cord and attachment plug so that they can be attached to any alternating current circuit.

Trade No.	Type	Cap. Watts	No of Voltages	Range Volts	Dimensions Inches	Wt. Lbs.	Price Each
112561	1	50	10	3 to 20	4 $\frac{1}{4}$ x3 $\frac{3}{4}$ x3 $\frac{1}{4}$	5	\$4.00
112562	2	75	16	1 $\frac{1}{2}$ to 24	5 x4 x3 $\frac{1}{4}$	7	5.50
112563	3	150	20	1 $\frac{1}{2}$ to 30	5 $\frac{3}{8}$ x5 x4	10	7.50

Stock winding will operate on 100 to 130-volt A. C., 60 to 133-cycle. 110-volt, 25-cycle, and 220-volt, 60-cycle, furnished without extra charge.

LITTLE JEFF TOY TRANSFORMERS

These transformers have the same flexible feature as the Nos. 1, 2 and 3 listed above. They are air insulated and mounted between two heavy black enameled castings. Generate secondary voltages from 3 to 24 volts in 3-volt steps. Furnished with or without attachment cord and plug.

With Cord and Plug							
112571	7	...	8	3 to 24	4 x3 $\frac{1}{2}$ x3	2 $\frac{1}{2}$	3.50

Without Cord and Plug							
112572	7	...	8	3 to 24	4 x3 $\frac{1}{2}$ x3	2 $\frac{1}{2}$	3.00

Standard transformers are wound to operate on 100 to 130 volts, 60 to 133 cycles, 220-volt, 60 cycles, and 110 volt, 25 cycles, furnished without additional cost.

PATTERSON BATTERY SETS

INTRODUCTORY



Screw Top

To argue that an incandescent lamp should have an Edison screw base instead of wire terminals so that easy connection to the circuit wires may be made by anybody—without tools or technical knowledge—would be considered unnecessary; admittedly we are arguing a parallel case when we claim that a dry cell should be made in screw-top cartridge form so that wherever a cell is used the world over, the battery may be correctly connected in circuit by anybody.

Just because, for twenty-five years, ever since dry cells were invented, the crude binding post method has been universally adhered to, is no reason why the public should continue the old method of a wired-up battery set with its troublesome and unsatisfactory details.

• Patterson Battery Sets are made in forty different models for every class of battery service, from the simple 2-cell strip type holder for housework to the heavy duty multiple-service wall cabinet sets of 150 ampere capacity. The multiple-service cabinets are capable of doing the work of any motor-generator or storage set ever installed—barring, of course, steady incandescent lighting service.

Combination
Screw Top and
Binding Post

In a Patterson Battery Set the renewal of a cell is as easy as the renewal of an incandescent lamp, and though done quickly by the most inexperienced person, without tools or technical knowledge of any sort, can be done only in one way, and that the right way.

The fundamental principle of a Patterson Battery Set is a screw-top battery cell, which, without wires or binding posts, screws into a solid hard rubber plate, automatically making all connections; it will readily be appreciated that with this construction there can be no possible loose connections—no bad contacts—or loss of power from bad contacts. The battery cells are suspended in the air from the hard rubber plate and water or dampness cannot affect them.

Automatic bridge in each cell-receptacle (except multiple outfits) permits the removal of one or more cells from the set without opening the circuit; and also provides a quick test for a weak cell without an ammeter.

Individual cells in holder may be tested with an ammeter without removing the same from the outfit, or a test of the complete bank of cells may be made at the terminals.

A Patterson Battery Holder will not only maintain a set of batteries at much higher amperage than the old style method of installation, but will in a few years save its entire cost from the greatly increased life each set of cells will give, because of the holder's comprehensive design for cell protection and economic maintenance; too much stress cannot be laid on the increased life of an installation made in a Patterson Battery Set, due to several facts, chief among which are the following:—

1. The absolute full-carrying capacity of the contacts, which completely does away with the loss of battery power always present in the old style wired-up battery set.
2. Housing of the wax-sealed end of cell in practically an air-tight cup—away from the effect of temperature change, etc.
3. Complete elimination of all leakage due to dampness on bottom of cell or on cartons.
4. Positive prevention of accidental getting together of zinc terminals, as has always been most troublesome in the old style wired-up battery set.

A Patterson Battery Set will last a lifetime, as every part is made of the best material and designed to give the user an outfit which will be a constant source of satisfaction, year in and year out. Screw cups are renewable if necessity ever demands. Heavy contact springs of genuine phosphor-bronze make absolute, positive contact with the brass capped carbon electrode of the cell; the contacts automatically clean themselves every time a battery is screwed in or out of the holder, and the heavy pressure of the phosphor-bronze center contact spring acts as a locking device on the cell, making it impossible for the same to back-turn.

In a Patterson Battery Set, whether it be the simple strip type, or the heavy duty multiple-service wall cabinet, circuit wires once connected to the battery never have to be disconnected or reconnected; of course, any predetermined change of circuit connections may be made to take care of specific conditions; in other words, any voltage and any ampere capacity may be arranged for, providing the number of units is sufficient to do so; if not sufficient, as all holders are made in sectional form, additional units may be put in and the outfit built up to any capacity voltage or amperage.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PATTERSON BATTERY SETS

SERIES STRIP TYPES—MODELS A AND B

Strip Type Holders, Models A and B, are the simplest types made. They are designed for use where the battery holder is to be mounted on ceiling, underside of a shelf, or any similar place where holder may be screwed up solid, yet with easy access all around to screw in cartridge cells; they are furnished with galvanized hinge brackets so that they may be mounted against a side wall; but for side wall and partition mounting, Model BR, shown on a following page, is far preferable; or better still, Model BB, shown on a following page, this model having the advantage over Model BR of a steel protection box with padlock.

Two grades of strip holders are made, viz.:

Model A, solid hard rubber.

Model B, skeleton hard rubber base.

Model B holders are made sectional-unit construction, except the 2 and 3-cell, which are made all in one piece. For sizes above 2 and 3, jobbers and contractors will appreciate convenience of being able to make up in a moment's time, from a small stock of sectional-units on shelf, any size holder required. Steel mounting straps are furnished with all sectional-units equivalent to the number of units ordered; but if, at any time, mounting straps are not at hand, a 3-inch strip of wood will serve just as well as a base upon which to mount.

In ordering Model B Strip Type Holders in sectional-units, size of mounting irons wanted must be specified. For example, a customer ordering 100 sectional-units is entitled to mounting irons equivalent to the number of units ordered, to make up either 4-No., 5-No., 6-No. or any size Strip Holder desired, but he must specify the sizes when ordering.

Model B holders will be furnished either knocked down or assembled; unless ordered to contrary, we ship assembled on mounting irons ready for installation; of course, sectional-units are shipped as units, each carefully boxed for shelf stock.

Model B holders are made in all sizes from 2-cell up to any size desired, at \$1.50 per unit.

If a "split-up" of the battery set is desired, provision can be made for this if specified in advance. For every "split", 3 inches extra width is required. For example, 3 cells may be required for "talking" circuit of an interior telephone system, 5 cells for "ringing" circuit or for annunciator, bells, etc., or, a total of 8 cells in the battery set. When so specified, this or any "split-circuit" arrangement can be furnished.

Prices, data, etc., of the "split-circuit" sets are shown on a following page.

MODEL A STRIP TYPE, SOLID HARD RUBBER

Trade No.	Mfrs. No.	No. Cells Capacity	Size Inches	Price, Each No. Cells
073632	A-2	2 in row	8½x3x2	\$5.40
073633	A-3	3 in row	11½x3x2	8.10
073634	A-4	4 in row	14½x3x2	10.80
073635	AS-4	4 in 2 rows of 2	8½x6x2	10.80
073636	A-5	5 in row	17½x3x2	13.50
073637	A-6	6 in row	20½x3x2	16.20
073638	AS-6	6 in 2 rows of 3	11½x6x2	16.20

MODEL B STRIP TYPE, SKELETON

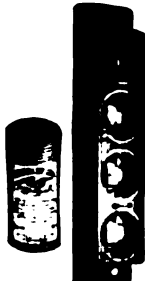
073620	B-2	2 in row	8½x3x2	3.00
073621	B-3	3 in row	11½x3x2	4.50
073622	B-4	4 in row	14½x3x2	6.00
073623	BS-4	4 in 2 rows of 2	8½x6x2	6.00
073624	B-5	5 in row	17½x3x2	7.50
073625	B-6	6 in row	20½x3x2	9.00
073626	BS-6	6 in 2 rows of 3	11½x6x2	9.00
073627	B-8	8 in row	26½x3x2	12.00
073628	BS-8	8 in 2 rows of 4	14½x6x2	12.00

Sectional-Units

073629	BM	Middle section battery holder unit.....	1.50
073630	BZ	Zinc terminal end section	1.50
073631	BO	Carbon terminal end section	1.50

Above sectional parts are packed separately in individual cartons neatly labeled for shelf stock. When ordering, please specify size mounting irons desired with units.

No battery cells are included in the above prices. For Columbia Cells, add 50 cents each.



Model A-4
Solid Hard
Rubber
Strip Type



Model B-4
Strip Type
Showing Sectional
Construction



Model B-4
Skeleton Hard
Rubber Sectional
Strip Type

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

NUNGESSER DRY BATTERIES



1900, Type 6



Acme, No. 6



Cleveland



Pocket

1900 DRY BATTERIES

The 1900 Dry Battery is most satisfactory for general work demanding long life on account of its great electrical energy, prolonged action and recuperating power, and is an ideal cell for all open circuit service, such as telephone, signal and ignition work.

Trade No.	Type	Size Inches	Price Each
07919	6	2½ x 6	\$0.70
07920	5	2 x 5	.50
07921	4	1¾ x 4	.50

ACME RAPID FIRE DRY BATTERIES

A high grade battery for heavy automobile ignition and also for high speed gas and gaso-line engines.

This cell is made especially to meet the requirements of the heaviest ignition service for either portable or stationary engines. Can be furnished either round or square carton.

Trade No.	Mfrs. No.	Size Inches	Price Each
07923	6	2½ x 6	\$0.70
07924	7	3 x 7	1.10
07925	8	3¾ x 8	1.50

CLEVELAND DRY BATTERIES

This is a superior medium priced cell of standard size, excellent construction, and is especially recommended for call bell service, burglar alarm, gas lighting, dental and surgical apparatus, and medical instruments.

Trade No.	Voltage	Size Inches	Price Each
07922	1.5	2½ x 6	\$0.70

OVAL POCKET BATTERIES

Especially adapted for testing instruments, telephone test sets, etc.

Trade No.	Mfrs. No.	Size Inches	Price Each
08356	2¼ x 1½ x 4½	\$1.00

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

COLUMBIA BATTERIES



Regular Columbia Cell
Patterson Screw-
Top Connection



Regular Columbia Cell
Projecting Carbon
Fahnestock Connection



Columbia Ignitor Cell
Patterson Combination
Screw-Top and Binding
Post Connection



Columbia Ignitor Cell
Flush-Top
Fahnestock Connection

COLUMBIA REGULAR BATTERIES

Columbia are open circuit cells especially made for telephones, bells, signals and similar devices. They have the long life and slow drain features so essential in intermittent service. They last longer and give better service and cost least in the end of any dry cell known. They have projecting carbon screw-top connection.

The quality of material and class of workmanship of these cells are the very highest.

The No. 6 is the standard size for bell and telephone work.

Trade No.	Mfrs. No.	Size Inches	Wt., Lbs. per Cell	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
012201	4	1½x4	¾	400	250	\$0.50
012202	5	2 x5	1	250	300	.50
077896	6	2½x6	2	125	300	.70
077897	7	3 x7	3½	50	225	1.10
077898	8	3½x8	5	50	315	1.50

COLUMBIA IGNITOR BATTERIES

These cells produce an efficient spark for a remarkably long period. They are particularly adapted to service on automobiles, motor boats and gas engines. Their reliability in severe service is their chief characteristic. They have flush-top binding post connection.

They are made of the best material and by skilled workmen. From their first appearance on the market to the present time they have been very extensively used for reliability, economy, long life and strength.

Trade No.	Mfrs. No.	Size Inches	Wt., Lbs. per Cell	Std. Pkg.	Wt., Lbs. Std. Pkg.	Price Each
077899	6	2½x6	2	125	300	\$0.70
077900	7	3 x7	3½	50	225	1.20
077901	8	3½x8	5	50	315	1.60

COLUMBIA OVAL BATTERIES

For test sets of all sorts these batteries give complete satisfaction because of their long life and ability to furnish the maximum amount of steady current.

Trade No.	Mfrs. No.	Size Inches	Wt., Oz. per Cell	Wt., Lbs. per 100	Price Each
042210	04	1¼x2¼x4	11¼	80	\$1.00



Regular



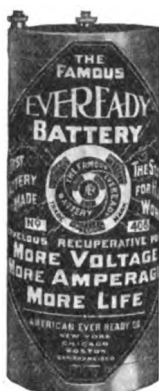
Ignitor



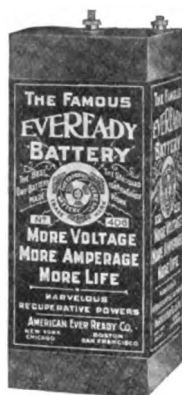
Oval

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

DRY BATTERIES



Eveready 406
Dry Battery
Round Carton



Eveready 406
Dry Battery
Square Carton



Eveready 436
Dry Battery
Round Carton



Eveready 436
Dry Battery
Square Carton

EVEREADY DRY BATTERIES

Eveready Dry Batteries have a high initial amperage, deliver a hot, snappy spark of unqualified uniformity that can always be depended upon. They are noted for their long life, recuperative power and are guaranteed to give perfect service and satisfaction any place where a dry battery is needed and used.



Red Seal Dry Battery Round Carton

Trade No.	Mfrs. No.	Dimens. Inches		Std. Pkg.	Wt., Lbs. per Bbl.	Price Each
50307	406	2½x6	Square	125	290	\$0.70
074969	406	2½x6	Round	125	290	.70
074970	407	3 x7	Round	75	325	1.20
074971	413	3½x8	Round	50	325	1.60

EVEREADY 30 DRY BATTERIES

Eveready "Thirty" Dry Batteries have a high initial amperage and deliver the kind of spark that is demanded for the quick firing of an engine and continue to deliver this service until the very last. These batteries are moderate in price, but extremely high in quality and can be sold with perfect confidence that they will fill the bill, make satisfied and permanent customers, and that is what every one wants.

50310	436	2½x6	Round	125	290	.70
50311	436	2½x6	Square	125	290	.70

RED SEAL DRY BATTERIES

The Red Seal is a battery of medium internal resistance, and has no superior for all-round use. It has been used for ignition for years, with the best results, and it has few equals for telephone and intermittent work. Where only one kind of battery is stocked, the Red Seal will give excellent satisfaction to both buyer and seller. The Red Seal is furnished either in round or square cartons, as preferred.



Red Seal Dry Battery Square Carton

Round Carton

074979	2445	2½x6¾	For automobiles	125	300	.70
074980	2446	3 x7½	Motor boats	50	205	1.10
074981	2447	3¼x8½	Heavy engine work	50	315	1.50

Square Carton

074982	2448	2½x6¾	For automobiles	125	300	.70
084983	2449	3 x7½	Motor boats	50	205	1.10
074984	2493	3¼x8½	Heavy engine work	50	315	1.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BATTERIES



No. 012108

CARBON CYLINDER BATTERIES

Trade No.	Description	Price Each
012108	Battery complete.....	\$0.60
012109	Carbon cylinder.....	.30
012110	Glass jar.....	.20
012111	Zinc.....	...

No. 2 NATIONAL CARBON BATTERIES

012102	Cell complete.....	1.10
012103	Carbon cup.....	.56
012104	Zinc.....	...
012105	Glass jar.....	.20
012106	Large rubber rings, for carbon.....	.10
012107	Small rubber rings, for zinc.....	.05



No. 012102

No. 2 SAMSON BATTERIES

012116	Battery complete.....	1.80
012117	Complete, with 16-oz. zinc.....	2.10
012118	Carbon vase.....	1.30
012119	Rubber cover.....	.16
012120	Cylindrical zinc.....	...
012121	Railroad zinc, 16-oz.....	...
012122	Glass jar.....	.20



No. 012116

No. 3 SAMSON BATTERIES

012123	Battery complete.....	2.25
012124	Carbon vase.....	1.70
012125	Cylindrical zinc only.....	...
012126	Jar only.....	.40
012127	Rubber cover.....	.20

GRAVITY BATTERIES

5x7 Inches

012133	Cell complete, less blue vitriol.....	1.00
012134	Glass jar.....	.40
012135	Zinc.....	...
012136	Copper.....	.17



No. 012137

6x8 Inches

012137	Cell complete, less blue vitriol.....	1.20
012138	Glass jar.....	.50
012139	Zinc.....	...
012140	Copper.....	.17

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

BATTERY ZINCS



No. 021231



No. 021232



No. 021234



No. 021235



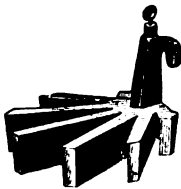
No. 021236



No. 021237



No. 021238



No. 021231

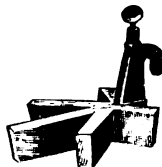
Trade
No.
021231
021232
021233

Std.
No.
21
22
23

CYLINDER

Style
Thumb nut connection
National
Thumbscrew connection

Price
Each
\$0.80
.80
.80



No. 021242

Trade
No.
021234
021235
021236

PENCIL

Std.
No.
13B
14B
15B

Price
Each
\$0.16
.16
.18

Above zinCs are $\frac{3}{8} \times 6\frac{1}{2}$ inches.



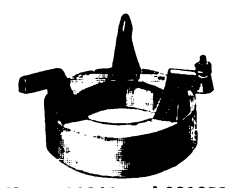
No. 021245

Trade
No.
021237
128745

FULLER

Description
For standard Fuller battery
For compound Fuller battery

Price
Each
\$1.08
1.20



Nos. 021246 and 021248

Trade
No.
021238
021239

Std.
No.
12A
12C

DANIELL
Round Shoulder

Style
Wing nut connection
Wire connection

Size of Jar
Inches
6x8
6x8

Wt.
Lbs.
2
2

Price
Each
\$1.50
1.50

Square Shoulder

Wing nut connection
Wire connection

6x8
6x8

2
2

1.50
1.50



Nos. 021249 and 021251

Trade
No.
021242
021243
021244
021245

Std.
No.
1
2
3
4

CROWFOOT

Size of Jaw
Inches
6x8
6x8
6x8
5x7

Wt.
Lbs.
3
2 $\frac{3}{4}$
3 $\frac{1}{2}$
1 $\frac{3}{4}$

Price
Each
\$1.65
1.50
1.90
1.20

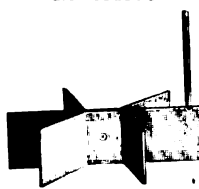
ROUND

Style
Wire connection
Thumbscrew connection
Thumbscrew connection
Wire connection
Thumb nut connection
Thumb nut connection

Size of Jar
Inches
6x8
6x8
6x8
6x8
6x8
6x8

Wt.
Lbs.
4
4
3
3
4
3

Price
Each
\$2.50
2.50
2.25
2.25
2.50
2.25



No. 021253

021252
021253

10
10

STAR
Wing nut connection
Wire connection

6x8
6x8

3 $\frac{1}{4}$
3 $\frac{1}{4}$

2.35
2.35

COPPERS

021254
021255

16
16 $\frac{1}{2}$

2x6 inches
2x5 inches

6x8
5x7

....
....

.40
.35

Made up of brush copper, No. 32 B. & S. gauge, 13 inches of No. 14 rubber covered wire for connections.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDISON PRIMARY BATTERIES



Type 202

Type 202
Edge View

Type 212



Tray for Types 202 and 212

TYPE 202

Capacity, 200 Ampere Hours

Furnished with rectangular heat-resisting glass jar. Size over all, $3\frac{3}{8} \times 6 \times 11$ inches. Inside dimensions of jar only, $2\frac{7}{8} \times 5\frac{1}{4} \times 9$ inches.

Type 202 cells are especially recommended because of compactness and are also slightly more efficient than older 200-ampere-hour types because of better location of the element in the solution. When used in trays they are semi-portable and make convenient and attractive batteries, and usually reduce the cost of cabinets for apartment and hotel annunciators, telephones, fire alarms and similar service.

Adapted for intercommunicating telephone systems, talking and ringing circuits for way station telephones in railway train dispatching systems, stationary gas or gasoline motors, burglar alarms, fire alarms, electric clock systems, small motors, time stamps, mine signal systems, etc.

Use five cells for stationary gas or gasoline motors having make and break ignition and eight cells for jump spark.

Cover is without gasket and is recommended for stationary work only.

Type 202 is especially recommended for intercommunicating telephone systems, railway stations and single transmitters generally; in fact, they are suitable for most telephone functions, but for busy service, such as private branch exchange switchboards, train dispatchers' offices, or for operating more than one transmitter where a cell having lower internal resistance may be required, the larger sizes, preferably Type 502, should be used.

Trade No.	Type	Description	Price Each
79991	202	Complete cell.....	\$2.70
79992	200	Complete renewal.....	1.50
Renewal Parts			
075922	200	Element, assembled.....	1.40
075923	200	Can caustic soda.....	.16
075924	200	Bottle special battery oil.....	.06

TYPE 212

Capacity, 200 Ampere Hours

Splash-proof, with rectangular heat-resisting glass jar and flat rubber gasket. Size, over all, $3\frac{3}{8} \times 6 \times 11$ inches. Inside dimensions of jar only, $2\frac{7}{8} \times 5\frac{1}{4} \times 9$ inches.

Type 212 cells are provided with flat rubber gaskets placed between cover and jar. The covers are held in place by a clamping attachment which can be used only in conjunction with trays. This combination of trays and cells makes a very desirable ignition battery for motor boats and other marine uses because it is splash-proof and occupies a small space. Combination ignition and lighting is possible because the additional current required by several 2 candle power lamps, such as bow and stern signals, trouble lamp, etc., does not materially reduce the voltage. The special heat-resisting glass jars allow easy inspection of the elements.

Trade No.	Type	Description	Price Each
79980	212	Complete cell.....	\$2.95
79992	200	Complete renewal.....	1.50
Renewal Parts			
075922	200	Element, assembled.....	1.40
075923	200	Can caustic soda.....	.16
075924	200	Bottle special battery oil.....	.06

TRAYS FOR TYPES 202 AND 212 CELLS

Trays are pressed steel and heavily japanned. They are provided with handles and the sides are cut away for easy inspection of the elements. Types 202 and 212 cells in these trays are attractive and occupy less space than other 200-ampere-hour cells.

Type	For No. of Cells	Size Over All Inches	For Type 202		For Type 212	
			Trade No.	Price Each	Trade No.	Price Each
2022	2	$6\frac{1}{2} \times 8 \times 11\frac{1}{2}$	79981	\$1.60	79986	\$2.10
2023	3	$6\frac{1}{2} \times 12 \times 11\frac{1}{2}$	79982	1.80	79987	2.40
2024	4	$6\frac{1}{2} \times 15\frac{1}{2} \times 11\frac{1}{2}$	79983	2.00	79988	2.70
2025	5	$6\frac{1}{2} \times 19\frac{1}{4} \times 11\frac{1}{2}$	79984	2.20	79989	3.00
2026	6	$6\frac{1}{2} \times 23 \times 11\frac{1}{2}$	79985	2.40	79990	3.30

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDISON PRIMARY BATTERIES

TYPE 206

Capacity, 200 Ampere Hours



Type 206

With porcelain jar and hollow rubber gasket ring. Size over all, $5\frac{3}{4} \times 9$ inches. Inside dimensions of jar only, $5 \times 7\frac{1}{2}$ inches.

Adapted for motor boats running on salt water. Use five cells for single cylinder make and break engines; six cells for multiple cylinder, high speed, make and break engines; eight cells for jump spark. Cover is fitted with hollow rubber gasket to prevent splashing. Type 206 supersedes old Type VP cell.

Trade No.	Type	Description	Price Each
075920	206	Complete cell.....	\$2.40
075921	200	Complete renewal.....	1.50
Renewal Parts			
075922	200	Element, assembled.....	1.40
075923	200	Can caustic soda.....	.16
075924	200	Bottle special battery oil.....	.06

TYPE 208

Capacity, 200 Ampere Hours



Type 208

With porcelain jar. Size over all, $5\frac{3}{4} \times 9$ inches. Inside dimensions of jar only, $5 \times 7\frac{1}{2}$ inches.

Adapted for stationary gas or gasoline engines, small motors, burglar alarms, bell systems, program and self-winding clocks, annunciators, electric time stamps, mine signals, intercommunicating telephone systems, etc. Use five cells for stationary engines having make and break ignition, eight cells for stationary engines having jump spark ignition. Cells have flat cover, without gasket, and are recommended for stationary work only.

Types 212 and 202 are recommended in preference to Types 206 and 208 because of smaller space occupied, lighter weight, ease of inspection, etc.

Type 208 supersedes old Type Q cell.

Types 206 and 208 are recommended in preference to the old Types VP and Q respectively, for all purposes. Although the jars are the same size as those used with the old types, the later types have one third greater ampere hour capacity and are correspondingly more efficient.

075926	208	Complete cell.....	2.20
075921	200	Complete renewal.....	1.50
Renewal Parts			
075922	200	Element, assembled.....	1.40
075923	200	Can caustic soda.....	.16
075924	200	Bottle special battery oil.....	.06

TYPE 302

Capacity, 300 Ampere Hours



Type 302

With rectangular heat-resisting glass jar. Size over all, $3\frac{3}{8} \times 6 \times 12$ inches. Inside dimensions of jar only, $2\frac{7}{8} \times 5\frac{1}{4} \times 10$ inches.

Type 302 cells are especially designed for use where they will not be exposed to low temperature, and for this service are the most desirable of the 300-ampere-hour types, because of the small space occupied and the low first cost. They are designed for stationary work, but when used in trays are semi-portable.

Type 302 cells are particularly adapted for fire alarm service; in fact, they were especially designed to meet various state and municipal requirements for industrial fire alarm systems, for which purpose they are in general use.

Trade No.	Type	Description	Price Each
79972	302	Complete cell.....	\$3.00
79973	300	Complete renewal.....	1.80
Renewal Parts			
075916	300	Element, assembled.....	1.70
075917	300	Can caustic soda.....	.20
075918	300	Bottle special battery oil.....	.06

TRAYS FOR TYPE 302 CELLS

Trays are pressed steel and heavily japanned. Provided with handles, and sides are cut away for easy inspection.



Tray for Type 302

Trade No.	Type	For No. of Cells	Size Over All Inches	Price Each
79995	3022	2	$6\frac{1}{2} \times 8 \times 12\frac{1}{4}$	\$1.60
79976	3023	3	$6\frac{1}{2} \times 12 \times 12\frac{1}{4}$	1.80
79977	3024	4	$6\frac{1}{2} \times 15\frac{1}{2} \times 12\frac{1}{4}$	2.00
79978	3025	5	$6\frac{1}{2} \times 19\frac{1}{4} \times 12\frac{1}{4}$	2.20
79979	3026	6	$6\frac{1}{2} \times 23 \times 12\frac{1}{4}$	2.40

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDISON PRIMARY BATTERIES

TYPE 305

Capacity, 300 Ampere Hours



Type 305

With rectangular heat-resisting glass jar or porcelain jar. Size over all, $6\frac{3}{4} \times 10\frac{1}{4}$ inches. Inside dimensions of jar only, 6x8 inches.

Adapted for stationary gas or gasoline engines, burglar alarms, bell systems, program and self-winding clocks, auxiliary and industrial fire alarm systems, etc.

Type 302 cells are recommended in preference to other 300-ampere-hour types for industrial and private fire alarm systems, auxiliary fire alarms, electric time and program clocks; also for telephones, including intercommunicating telephones, private branch exchanges, switchboards, railway telephone train dispatching at busy way stations, and similar service.

Trade No.	Type	Description	Price Each
075914	305	Complete cell, with heat-resisting glass jar.....	\$3.20
075913	305	Complete cell, with porcelain jar.....	3.00
075915	300	Complete renewal.....	1.80
Renewal Parts			
075916	300	Element, assembled.....	1.70
075917	300	Can caustic soda.....	.20
075918	300	Bottle special battery oil.....	.06

TYPE 401

Capacity, 400 Ampere Hours



Type 401

With rectangular heat-resisting glass jar or porcelain jar. Size over all, $6\frac{3}{4} \times 12\frac{1}{2}$ inches. Inside dimensions of jar only, $6 \times 10\frac{1}{2}$ inches.

Adapted for railway signals, railway track circuits, battery motors, train dispatchers' telephone talking circuits, intercommunicating telephone circuits, telephone pole changers, telegraph sounder and main line circuits, fire alarms, burglar alarms, program and self-winding clocks, etc.

These cells in heat-resisting glass jars will give better service than when used with porcelain jars, especially when the cell is to be subjected to low temperatures.

075903	401	Complete cell, with heat-resisting glass jar.....	3.80
075902	401	Complete cell, with porcelain jar.....	3.70
075904	400	Complete renewal.....	2.10

Renewal Parts

075905	400	Element, assembled.....	2.00
075906	400	Can caustic soda.....	.24
075907	400	Bottle special battery oil.....	.06

TYPE 404

Capacity, 400 Ampere Hours



Type 404

With barrel shaped heat-resisting glass jar. Size over all, $7 \times 11\frac{1}{2}$ inches.

Type 404 cells are suitable for all purposes for which Type 401 is recommended. The jars have greater mechanical strength than glass jars with straight sides.

Types 401 and 404 conform to the specifications of the Railway Signal Association. They are better adapted for low temperature conditions than are the 500-ampere-hour types, but Type 402 cells are better adapted for low temperatures than any other 400-ampere-hour type or the 500-ampere-hour types.

075911	404	Complete cell.....	3.70
075904	400	Complete renewal.....	2.10

Renewal Parts

075905	400	Element, assembled.....	2.00
075906	400	Can caustic soda.....	.24
075907	400	Bottle special battery oil.....	.06

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDISON PRIMARY BATTERIES



Type 402



Type 501



Type 504



Type 502

TYPE 402

Capacity, 400 Ampere Hours

With rectangular heat-resisting glass jar. Size over all, $5\frac{3}{8} \times 6\frac{3}{8} \times 12\frac{1}{4}$ inches. Inside dimensions of jar only, $5 \times 6 \times 10$ inches.

Adapted for railway signal work, including track circuits, crossing bells and lighting; also for railway train dispatchers' telephone talking and ringing circuits, supervisory lamps, private branch exchanges, telephone switchboards, intercommunicating telephones, telegraph sounder and main line circuits, fire alarm systems, burglar alarms, electric clocks, battery motors, etc.

Type 402 jars and covers are the same as those for Type 502.

Type 402 cells are the most convenient of any of the 400-ampere-hour types because of the small space occupied. They are especially recommended for railway signal work, where the cells are housed in signal battery cases or for other outdoor work. Where exposed to low temperature, the Type 402 cells will give better service than any other 400 or 500-ampere-hour types, because the volume and density of the solution are so proportioned to the ampere hour capacity of the elements as to provide the best combination to withstand the effect of the cold.

Trade No.	Type	Description	Price Each
57457	402	Complete cell.....	\$3.80
075904	400	Complete renewal.....	2.10
Renewal Parts			
075905	400	Element, assembled.....	2.00
075906	400	Can caustic soda.....	.24
075907	400	Bottle special battery oil.....	.06

TYPE 501

Capacity, 500 Ampere Hours

With cylindrical heat-resisting glass jar. Size over all, $6\frac{3}{4} \times 12\frac{1}{2}$ inches. Inside dimensions of jar only, $6 \times 10\frac{1}{2}$ inches.

Adapted for railway signals, railway track circuits, low voltage remote control switches, battery motors, telephone train dispatchers' talking circuit, crossing bells, private branch exchange telephone switchboards, telephone pole changers, ringing sets, telegraph local, main line and sounder circuits, intercommunicating telephone systems, fire alarm systems, bungalow camp lighting, electro-plating, wireless telegraph.

57458	501	Complete cell.....	4.10
57459	500	Complete renewal.....	2.40
Renewal Parts			
57460	500	Element, assembled.....	2.30
57461	500	Can caustic soda.....	.28
57462	500	Bottle special battery oil.....	.06

TYPE 504

Capacity, 500 Ampere Hours

With barrel shaped heat-resisting glass jar. Size over all, $7 \times 11\frac{1}{2}$ inches.

Type 504 cells are suitable for all of the purposes for which Type 501 are recommended. The jars have a greater mechanical strength than jars with straight sides. Where cells are to be subjected to low temperatures, Types 401, 402 and 404, with glass jars, are recommended in preference to Types 501, 502 and 504, respectively. Types 501 and 504 conform to the specifications of the Railway Signal Association, but have a greater capacity than is called for in these specifications.

57463	504	Complete cell.....	4.00
57459	500	Complete renewal.....	2.40

For separate renewal parts see Type 501 above.

TYPE 502

Capacity, 500 Ampere Hours

With rectangular heat-resisting glass jar. Size over all, $5\frac{3}{8} \times 6\frac{3}{8} \times 12\frac{3}{4}$ inches. Inside dimensions of jar only, $5 \times 6 \times 10\frac{1}{2}$ inches.

Type 502 cells are suitable for all purposes for which Type 501 are recommended. Type 502, as well as Type 402, is used extensively for railway signal operation, but Type 402 cells are recommended in preference to Type 502 cells when exposed to low temperatures.

57464	502	Complete cell.....	4.10
57459	500	Complete renewal.....	2.40

For separate renewal parts see Type 501 above.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDISON PRIMARY BATTERIES

SUMMARY OF PRICES

	202	206	207	208	Type 212	302	305	305	309
	Glass	Porc.	Steel	Porc.	Glass	Glass	Porc.	Glass	Porc.
Capacity, ampere hours.....	200	200	200	200	200	300	300	300	300
Complete cell	\$2.70	\$2.40	\$3.40	\$2.20	\$2.95	\$3.00	\$3.00	\$3.20	\$3.30
Complete renewal.....	1.50	1.50	1.50	1.50	1.50	1.80	1.80	1.80	1.80
Renewal Parts									
Zinc-oxide, assembled	1.40	1.40	1.40	1.40	1.40	1.70	1.70	1.70	1.70
One can caustic soda.....	.16	.16	.16	.16	.16	.20	.20	.20	.20
One bottle special battery oil.....	.06	.06	.06	.06	.06	.06	.06	.06	.06
Permanent Parts									
Porcelain jar, round.....	....	.60	....	.60	....	....	1.00	....	1.20
Heat-resisting glass jar, round.....	....	....	....	....	....	....	....	1.20	....
Heat-resisting glass jar, rectangular.....	1.00	....	....	....	1.00	1.00	....	....	....
Enameled steel jar, round.....	....	....	1.40	....	....	....	....	....	....
Porcelain cover.....	.30	.40	.40	.35	.30	.30	.40	.40	.35
Terminal nuts and washer, per cell.....	.20	.20	.20	.20	.20	.20	.20	.20	.20
Rubber gasket.....	....	.25	.25	....	.25	....	....	....	....
Splash proofing strips.....	....	....	....	....	.15	....	....	....	....
Splash proofing hook bolts and nuts, each.....	....	....	....	....	.10	....	....	....	....

SUMMARY OF PRICES

	401	401	402	403	Type 404	501	502	504
	Porc.	Glass	Glass	Porc.	Glass	Glass	Glass	Glass
Capacity, ampere hours.....	400	400	400	400	400	500	500	500
Complete cell	\$3.70	\$3.80	\$3.80	\$3.60	\$3.70	\$4.10	\$4.10	\$4.00
Complete renewal.....	2.10	2.10	2.10	2.10	2.10	2.40	2.40	2.40
Renewal Parts								
Zinc-oxide, assembled.....	2.00	2.00	2.00	2.00	2.00	2.30	2.30	2.30
One can caustic soda.....	.24	.24	.24	.24	.24	.28	.28	.28
One bottle special battery oil.....	.06	.06	.06	.06	.06	.06	.06	.06
Permanent Parts								
Porcelain jar, round.....	1.40	....	....	1.20	....	....	....	....
Heat-resisting glass jar, round.....	....	1.50	....	....	....	1.50	....	....
Heat-resisting glass jar, rectangular.....	....	....	1.60	....	....	....	1.60	....
Heat-resisting glass jar, barrel shape.....	....	....	....	....	1.40	....	....	1.40
Porcelain cover.....	.40	.40	.35	.50	.40	.40	.35	.40
Terminal nuts and washer, per cell.....	.20	.20	.20	.20	.20	.20	.20	.20

Miscellaneous Separate Parts

Large wing nuts, each, 10 cents. Nuts, other sizes, each, 5 cents.
 Brass washers, each, 5 cents. Double connectors, each, 10 cents.
 Hexagon jamb nuts, each, 5 cents.

SUMMARY OF PRICES

All types of batteries listed below, except Types Q, RR and W, are obsolete, but the complete prices are given for convenience in ordering renewals and parts for old cells still in service.

	BB	Z	Q	V	Type RR	AA	S	SS	W
	Porc.	Steel	Porc.	Steel	Porc.	Steel	Porc.	Porc.	Glass
Capacity, ampere hours.....	100	100	150	150	300	300	300	350	600
Complete cell	\$2.00	\$2.80	\$2.20	\$3.40	\$3.30	\$4.80	\$3.90	\$4.20	\$6.50
Complete renewal.....	.90	.90	1.00	1.10	1.70	1.80	1.86	1.90	3.00
Renewal Parts									
1 chg. copper-oxide plate or plates.....	.40	.40	.50	.50	.85	.85	1.00	1.00	1.70
1 chg. zinc plate or plates.....	.40	.40	.40	.50	.70	.80	.80	.80	1.00
1 chg. caustic soda.....	.14	.14	.16	.16	.24	.24	.20	.24	.40
1 chg. special battery oil.....	.05	.05	.06	.06	.06	.06	.06	.06	.08
Permanent Parts									
Heat-resisting glass jar.....	....	....	....	....	....	....	....	....	3.00
Porcelain jar.....	.50	....	.60	....	1.00	....	1.20	1.40	3.00
Enameled steel jar.....	....	1.10	....	1.40	....	2.00	....	....	....
Porcelain cover.....	.25	.25	.35	.35	.50	.50	.35	.45	.35
Copper frame with nuts and insulators.....	.45	.45	.45	.45	.45	.45	.60	.60	.70
Long brass bolt and nuts for zinc.....	....	....	.15	....	.15	....	.15	.15	.15
Rubber gasket ring.....	....	.25	....	.25	....	.25	....	....	....
Brass air vent and nut.....	....	.10	....	.10	....	.10	....	....	....
Miscellaneous Separate Parts									
Copper frame sides, 2 per cell.....	.20	.20	.20	.20	.20	.20	.30	.30	.40
Copper frame bolts with nuts.....	.10	.10	.10	.10	.10	.10	.20	.20	.20

Large wing nuts, each, 10 cents. Nuts, other sizes, each, 5 cents. Hard rubber insulators, each, 5 cents.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDISON PRIMARY BATTERIES



Type Q

TYPE Q

Capacity, 150 Ampere Hours

With porcelain jar. Size over all, 6x9 inches. Inside dimensions of jar only, 5x7½ inches.

Adapted for stationary gas and gasoline engines, small motors, burglar alarms, bell systems, mine signals, intercommunicating telephone systems, etc.

Trade No.	Type	Description	Price Each
121400	Q	Complete cell.....	\$2.20
121401	Q	Complete renewal.....	1.00
Renewal Parts			
121402	Q	One copper-oxide plate.....	.50
121403	Q	Two zinc plates, each, 20 cents.....	.40
121404	Q	One can caustic soda.....	.16
121405	Q	One bottle special battery oil.....	.06



Type RR

TYPE RR

Capacity, 300 Ampere Hours

With porcelain jar. Size over all, 7½x10¾ inches. Inside dimensions of jar only, 6½x8¾ inches.

Adapted for stationary gas engines, mine signals, electro-plating, fire alarms, burglar alarms, small common battery and private branch telephone exchanges, intercommunicating telephone systems, telephone interrupters, supervisory lamps, trunk line relays, etc.

075927	RR	Complete cell.....	3.30
075928	RR	Complete renewal.....	1.70
Renewal Parts			
075929	RR	One copper-oxide plate.....	.85
075930	RR	Two zinc plates, each, 35 cents.....	.70
075931	RR	One can caustic soda.....	.24
075932	RR	One bottle special battery oil.....	.06

TYPE W

Capacity, 600 Ampere Hours

With glass jar. Size over all, 7¾x15 inches. Inside dimensions of jar, 7x13½ inches.

Adapted for battery motors, dental engines, light electric-cautery work, X-ray, wireless telegraph, telephone interrupters, small common battery and private branch exchange telephone switchboards, supervisory lights, trunk line relays, talking circuits, etc.

49001	W	Complete cell.....	6.50
021423	W	Complete renewal.....	3.00
Renewal Parts			
021424	W	Two copper-oxide plates, each, 85 cents.....	1.70
021425	W	Two zinc plates, each, 50 cents.....	1.00
021426	W	One can caustic soda.....	.40
021427	W	One bottle special battery oil.....	.08



Type W

The 200, 300 and 400-ampere-hour types shown on preceding pages are recommended in preference to Types Q and RR because of improved construction, higher efficiency, longer life, greater simplicity, etc.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDISON PRIMARY BATTERIES

CONVERTING OLD EDISON CELLS INTO EDISON ASSEMBLED TYPES



Complete Edison
Assembled Cell, less Jar

When a battery of Edison Types V, V-P, Q, RR, S, SS, AA or AA-P cells becomes exhausted, it is recommended that the cells be converted into the corresponding type of Edison Assembled Type, as explained below:

Type Q cells can be converted into Edison Type 208 by securing Type 200 renewals with Type 208 covers and nuts, and discarding the old Type Q covers and frames.

Type V cells can be converted into Edison Type 207 by securing Type 200 renewals with Type 207 covers and nuts, and discarding the old Type V covers and frames.

Type V-P cells can be converted into Edison Type 206 by securing Type 200 renewals with Type 206 covers and nuts, and discarding the old Type V covers and frames.

Type RR cells can be converted into Edison Type 403 by securing Type 400 renewals with Type 403 covers and nuts, and discarding the old Type RR covers and frames.

Type S cells can be converted into Edison Type 309 by securing Type 300 renewals with Type 309 covers and nuts, and discarding the old Type S covers and frames.

Type SS cells can be converted into Edison Type 401 by securing Type 400 renewals with Type 401 covers and nuts, and discarding the old Type SS covers and frames.

When a cell has been renewed in above manner, it is exactly the same as the corresponding Edison assembled type.

Types AA and AA-P cells, when used for stationary work, may be converted into Edison Type 403 cells by securing Type 400 renewals with Type 403 covers and nuts, and discarding the old covers and frames with the exhausted elements. No liquid-tight covers are made in Edison design, suitable for use with Type AA or AA-P cells.

Types BB, Z and W have no corresponding Edison assembled type, and consequently must be renewed in the regular manner.

It is not absolutely necessary to obtain new Edison covers in order to use Edison assembled renewals in Types V, V-P, AA or AA-P cells. The old covers have a central hole and will answer by closing up one frame hole and threading the connecting wire through the corresponding hole. It makes a better installation, however, to use the new covers, thus making the cells the same as the New Edison assembled types.

PARTS OF CELLS OF DIFFERENT TYPES WHICH ARE IDENTICAL

Renewals are the same for:

- All 500-ampere-hour assembled types
- All 400-ampere-hour assembled types
- All 300-ampere-hour assembled types
- All 200-ampere-hour assembled types
- Types BB and Z
- Types V and V-P
- Types AA and AA-P

Porcelain jars are the same for:

- Types Q, V-P, 206 and 208
- Types RR, AA-P and 403
- Types S and 309
- Types SS and 401

Heat-resisting glass jars are the same for:

- Types 202 and 212
- Types 401 and 501
- Types 402 and 502
- Types 404 and 504

Enameled steel jars are the same for:

- Types V and 207

Porcelain covers are the same for:

- Types 202, 212 and 302
- Types 206 and 207
- Types 208 and 309
- Types 305, 401, 404, 501 and 504
- Types 402 and 502
- Types Q, S and W
- Types V and V-P
- Types AA and AA-P

Copper-oxide plates are the same for:

- Types BB and Z
- Types AA, AA-P, RR and W
- Types Q, V, V-P, S and SS

Double zinc plates are the same for:

- Types BB and Z
- Types AA and AA-P
- Types V and V-P

Single zinc plates are the same for:

- Types S and SS

Cans of caustic soda are the same for:

- Types BB and Z
- Types Q, V, V-P, 202, 206, 207, 208 and 212
- Types S, 302, 305 and 309
- Types SS, RR, AA, AA-P and all assembled 400-ampere-hour types
- All 500-ampere-hour types

Bottles of special battery oil are as follows:

- For Type W, 6 ounces
- For all other types, 3 ounces.

Copper frames are the same for:

- Types BB, Z, Q, V and V-P
- Types S and SS
- Types AA, AA-P and RR

Types BB, Z, V, V-P, AA and AA-P have one copper-oxide plate and one double zinc (two single zincs attached to one hanger).

Types Q and RR each have one copper-oxide plate and two separate zinc plates.

Types S, SS and W each have two copper-oxide plates and two separate zinc plates.

BATTERY CONNECTORS AND CLIPS



Flexible Battery Connector

FLEXIBLE BATTERY CONNECTORS

Terminals are made of heavy insulated cord. Each terminal soldered.

Trade No.	Length Inches	Std. Pkg.	Price per 100
052837	4 1/4	100	\$2.50

BULLDOG BATTERY CONNECTORS

The cable is securely soldered to the metal clips, which positively makes a perfect contact.

No. 1025 is made of spring brush brass dipped; No. 1026 is made of phosphor-bronze.



Bulldog Battery Connector

Trade No.	Mfrs. No.	Length Inches	Std. Pkg.	Price per 100
56123	1025	4 1/2	10	\$4.50
56122	1026	4 1/2	10	6.00

PARAGON BATTERY BOXES

For Telephone and Electric Bell Work

The Paragon Battery Box, used with desk or hotel types of local battery telephones or in electric bell installations, provides a neat receptacle for the batteries, which are generally left exposed and unprotected.

It prevents broken connections and protects the carbons, which frequently are broken when batteries are knocked over. It also keeps the batteries free from dust and dirt.

It can be fastened in any convenient place and may be attached to wall, post, desk or any desired surface. Can be removed to renew batteries without taking out screws.

It holds two or three standard size (No. 6) dry cells. The box is made of sheet steel, finished in black japan, and is lined throughout with heavy insulating fiber, which protects the sides of the box and the edges of the holes. It has holes at top and bottom for leading-in wires. The cover is attached to the box by a nickel-plated chain.



Paragon Battery Box

Trade No.	Mfrs. No.	Description	Price Each
41144	2	Holds two standard size cells.....	\$1.00
41145	3	Holds three standard size cells.....	1.20

UNIVERSAL TEST CLIPS

Made of hard copper. Time savers in any electrical work requiring quick temporary connections.

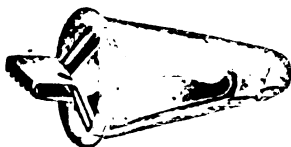
Unexcelled for test sets, meters and storage battery charging. For shops or outside test work. For storage battery work lead-plated clips should be specified.



No. 8



No. 9



No. 14

Trade No.	Mfrs. No.	Description	Price Each
90239	8	Clip only, 15-amp., soldered connection; spread of jaws, 1/8 inch.....	\$0.30
90240	9	Clip with insulator, 15-amp., soldered connection; spread of jaws, 1/8 inch.....	.40
90241	4	Insulator only, for 15-amp. size.....	.15
122095	13	Clip only, 20-amp., screw connection; spread of jaws, 7/8 inch.....	.30
122096	13 A	Same as above, lead-plated.....	.30
122097	14	Clip with insulator, 20-amp., screw connection; spread of jaws, 7/8 inch.....	.40
122098	14 A	Same as above, lead-plated.....	.40
122099	15	Insulator only, for 20-amp. size.....	.15
122100	11	Clip only, 100-amp., cleat connection; spread of jaws, 1 inch.....	1.00
122101	11 A	Same as above, lead-plated.....	1.00
122102	12	Clip with insulator, 100-amp., cleat connection; spread of jaws, 1 inch.....	1.20
90238	7	Insulator only, for 100-amp. size.....	.30

Illustrations of Nos. 8, 9 and 14 are half actual size.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

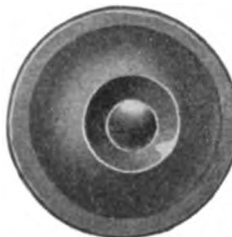
PUSH BUTTONS



Nos. 508 and 508B



Nos. 510 and 510B



No. 511



No. 512

CAST BRONZE—GERMAN SILVER CONTACTS—SCREW CAPS

Trade No.	Mfrs. No.	Diameter Inches	Finish	Std. Pkg.	Carton	Price per Doz.
097209	508	2 $\frac{5}{8}$	Polished bronze	100	10	\$7.20
097210	508B	2 $\frac{5}{8}$	Black inlaid	100	10	7.20
097211	510	2 $\frac{3}{4}$	Polished bronze	100	10	7.20
097212	510B	2 $\frac{3}{4}$	Black inlaid	100	10	7.20
097213	511	1 $\frac{5}{8}$	Polished bronze	200	50	4.20
097214	511	1 $\frac{5}{8}$	Antique copper	200	50	4.20
097215	511	1 $\frac{5}{8}$	Brush brass	200	50	4.20
097216	511	1 $\frac{5}{8}$	Dead black	200	50	4.20
097217	512	2 $\frac{3}{8}$	Polished bronze	100	25	7.20
097218	512	2 $\frac{3}{8}$	Antique copper	100	25	7.20
097219	512	2 $\frac{3}{8}$	Brush brass	100	25	7.20



Nos. 570 and 570B



No. 550



Nos. 540 and 540B



Nos. 514 and 515

CAST BRONZE—GERMAN SILVER CONTACTS—SCREW CAPS

097222	570	2 $\frac{1}{4}$	Polished bronze	100	25	4.80
097223	570B	2 $\frac{1}{8}$	Black inlaid	100	25	4.80
097224	550	2 $\frac{1}{8}$	Polished bronze	100	25	5.40
097225	550	2 $\frac{1}{8}$	Antique copper	100	25	5.40
097226	550	2 $\frac{1}{8}$	Brush brass	100	25	5.40

CAST BRONZE—GERMAN SILVER CONTACTS—LOOSE BACK

097220	540	2 $\frac{1}{8}$	Polished bronze	100	25	3.60
097221	540B	2 $\frac{1}{8}$	Black inlaid	100	25	3.60

WROUGHT BRONZE—GERMAN SILVER CONTACTS—LOOSE BACK

097227	514	1 $\frac{1}{2}$	Polished bronze	200	50	1.80
097228	514	1 $\frac{1}{2}$	Polished brass	200	50	1.80
097229	514	1 $\frac{1}{2}$	Brush brass	200	50	1.80
097230	514	1 $\frac{1}{2}$	Antique copper	200	50	1.80
097231	515	2 $\frac{1}{4}$	Polished bronze	100	50	2.40
097232	515	2 $\frac{1}{4}$	Antique copper	100	50	2.40
097233	515	2 $\frac{1}{4}$	Brush brass	100	50	2.40

All of the above pushes are packed in individual boxes, with screws, properly labeled and placed in cartons of 10, 25 or 50, as noted above.

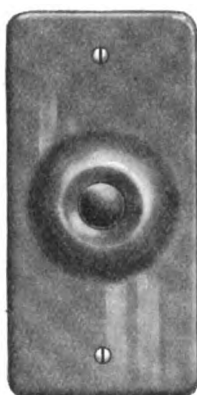
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PUSH BUTTONS

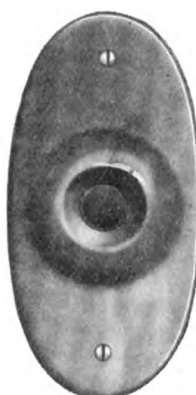
LOOSE BACK



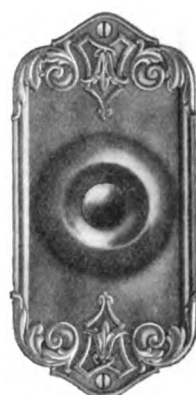
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No. 529



No. 530



No. 531

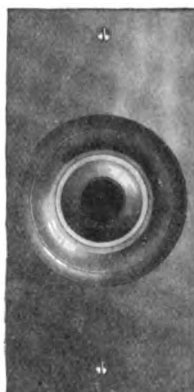
Trade No.	Mfrs. No.	Brush Brass Finish	Size Inches	Carton	Std. Pkg.	Price per Doz.
097244	528	Wrought	2 x 4 $\frac{3}{4}$	25	150	\$6.00
097245	529	Wrought	2 x 4	25	150	6.00
097246	530	Wrought	2 x 4	25	150	6.00
097247	531	Wrought	2 x 4 $\frac{1}{4}$	25	150	6.00



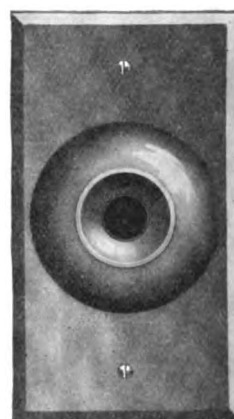
No. 532



No. 534



No. 536



No. 538

Trade No.	Mfrs. No.	Brush Brass Finish	Size Inches	Carton	Std. Pkg.	Price per Doz.
097248	532	Wrought	2 x 4	25	150	\$6.00
097249	534	Wrought	2 x 4	25	150	6.00
097250	536	Wrought	2 x 4	25	150	7.20
097251	538	Wrought	2 $\frac{3}{8}$ x 4 $\frac{1}{4}$	10	150	7.80

Polished bronze, oxidized copper and polished brass will be furnished at same prices. German silver contacts.

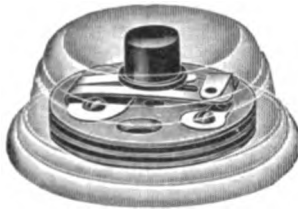
All the above pushes are packed in individual boxes with screws, properly labeled and placed in cartons of 10 or 25, as noted above.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PUSH BUTTONS



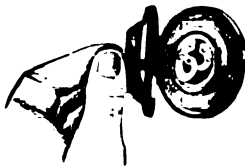
Wood Push Button



Double Contact Push Button



Liberty Push Button

Anti-wood Push Button
Placing Cap over Base

WOOD PUSH BUTTONS

Polished finish. Porcelain center. German silver springs.

Trade No.	Diam. Inches	Finish	Price Each
040870	2 1/8	Walnut	\$0.18
040871	2 1/8	Maple	.18
040873	2 1/8	Stained Cherry	.18
040874	2 1/8	Antique Oak	.18

DOUBLE CONTACT OR RETURN CALL PUSH BUTTONS

These push buttons have upper and lower stationary contacts and a movable spring which is in contact with the upper point when the button is at rest and makes contact on lower when the button is pressed. They are intended for return call annunciators or bell circuits where a bell is installed at each end of line.

040879	2 1/4	Dark Wood	.18
040880	2 1/4	Light Wood	.18

LIBERTY PUSH BUTTONS

A push in which the contact springs are secured, so that they will not loosen, by the composition being molded around them. Made of composition hard rubber. Screw caps.

Trade No.	Description	Price Each
063859	Liberty Push Button.....	\$0.30



Pear Shaped Push



Fancy Pear Push

ANTI-WOOD PUSH BUTTONS

A stamped metal push at a price as low, if not lower, than wood push buttons. Carried in stock in the following finishes.

38839	Brushed brass.....	.20
38840	Polished bronze.....	.20
38841	Antique copper.....	.20

PEAR PUSH BUTTONS

Flexible cord is easily attached to contact springs.

38842	Pear Push Button.....	.40
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FANCY PEAR PUSH BUTTONS

Made in all standard finishes. Has ivory center and top. Highly polished.

38844	Fancy Pear Push Button.....	.60
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Combination Bell and Push

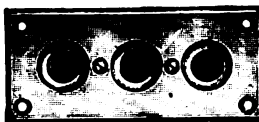
COMBINATION BELLS AND PUSHES

Consisting of bell and push for call and return call in connection with annunciators.

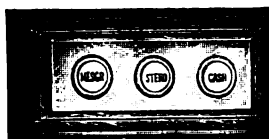
091970	Oxidized copper finish.....	1.87
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

PUSH BUTTONS



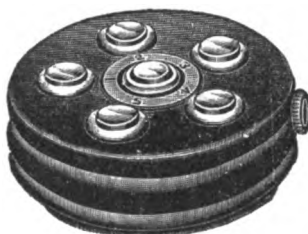
Nickel-plated Compound Push Button



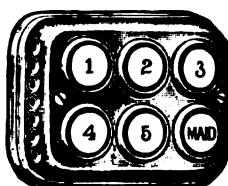
Wood Compound Push Button



Flush Push Button



Altman Desk Push Button



Paper Weight Push Button

COMPOUND PUSH BUTTONS

Nickel-plated

Trade No.	No. of Buttons	Size Inches	Price Each
040885	2	2 x 3	\$0.60
040886	3	3 1/8 x 1 7/8	.70
040887	4	5 x 1 1/8	1.00
040888	5	6 x 2	1.20
040889	6	7 x 2	1.30

Wood, Light or Dark

040883	2	.....	1.10
040884	3	.....	1.44
38816	4	.....	1.80
38817	5	.....	2.20
38818	6	.....	2.60

The buttons are white or black pearl, as desired.

Prices are for pushes without numbers. Numbering charged extra.

FLUSH PUSH BUTTONS

Nickel-plated, Pearl Centers

Trade No.	Description	Price Each
38819	Square shape.....	\$0.60
38820	Diamond shape.....	.60

ALTMAN WEIGHTED DESK PUSH BUTTONS

Furnished in Oak or Mahogany

Trade No.	No. of Buttons	Price Each	Trade No.	No. of Buttons	Price Each
063870	2	\$1.70	063873	5	\$2.70
063871	3	2.00	063874	6	3.00
063872	4	2.35	063875	7	3.35

Diameter, 3 1/2 inches; pearl buttons.

Green Silk Cord for Above

Trade No.	No. Cond.	Price per Ft.	Trade No.	No. Cond.	Price per Ft.
38821	3	\$0.10	38824	6	\$0.23
38822	4	.14	38825	7	.28
38823	5	.18	38826	8	.35

PAPER WEIGHT PUSH BUTTONS

Trade No.	Mfrs. No.	No. of Buttons	Size Inches	Price Each
092090	71	2	2 1/2 x 1 7/8	\$2.50
092091	71	3	2 1/2 x 1 7/8	3.00
092092	71	4	2 1/2 x 1 7/8	3.50
092093	71	5	2 1/2 x 1 7/8	4.00
092094	71	6	2 1/2 x 1 7/8	4.50
092095	71	8	4 x 1 7/8	6.00
092096	71	10	4 x 1 7/8	6.50
092097	71	12	5 1/2 x 1 7/8	7.00

Other sizes up to 20 buttons.

For attaching green silk cord, per foot for each button, 15 cents.

FINISHES.—*Nickel-plated, brushed brass, old brass or bronze.

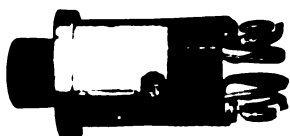
Made of pressed steel, weighted back, felt covered, 8 to 12-button, case cast. Price includes No. 63 pushes, matched finished rims.

Price for special finishes quoted on application.

*This style furnished, unless otherwise specified.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

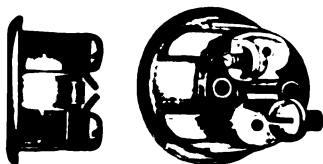
EDWARDS FLUSH PUSH BUTTONS



No. 85

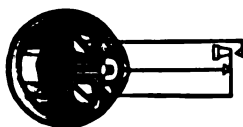


No. 63

No. 1162, showing
No. 60 Escutcheon

No. 1062

No. 620

No. 1059, showing
No. 61 Escutcheon

No. 1160



No. 260

HIGH VOLTAGE, No. 85

Trade No.	Mfra. No.	Style	Volts	Fits Hole Inches	Std. Pkg.	Price Each
091943	85	High voltage	110	$\frac{3}{4}$	6	\$1.80
091944	85A	High voltage	220	$1\frac{1}{8}$	6	4.00
Extra hard rubber bushings, for 110 volts .....						.75
Extra hard rubber bushings, for 220 volts						1.00

Long, quick break, heavy phosphor-bronze contact springs; shell solid brass with rubber insulation and metal push, perfectly insulated. Center is hard rubber and pearl.

NEW MITE, No. 63

Trade No.	Mfra. No.	Fits Hole Inches	Center	Std. Pkg.	Price Each
091950	63	$\frac{1}{2}$	*Light or dark pearl	50	\$0.30

$\frac{5}{8} \times \frac{5}{8}$ inch over all; non-turnable centers, spring clip fasteners. Binding posts take up to No. 12 B. & S. wire.

NO CONTACT, No. 1162

Without back springs or binding posts. Spring clip fasteners. No. 60 escutcheon used with this button.

091955	1162	$\frac{5}{8}$	*Light or dark pearl	500	.12 $\frac{1}{2}$
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NEW MIDGET, JR., No. 1062

With scraping contact and shallow contact springs. No. 60 escutcheon may be used with this button.

091958	1062	$\frac{5}{8}$	*Light or dark pearl	200	.15
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DIXIE, JR., No. 620

Non-turnable centers. Fully insulated. Scraping contact. Economy binding post takes all sizes of wire. Screws cannot come out. A high grade reliable push. No. 60 escutcheons may be used with this push.

092017	620	$\frac{5}{8}$	Light or dark pearl	50	.20
092018	621	$\frac{5}{8}$	Light or dark pearl protruding $\frac{1}{8}$ inch	25	.40

MIDGET, No. 59

Non-turnable centers, secure spring clip fasteners, phosphor-bronze contacts. Binding posts take any size wire. No. 61 escutcheon may be used with this button.

092004	59	$\frac{3}{4}$	*Light or dark pearl	50	.35
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MIDGET, No. 1059

Non-turnable centers, secure spring clip fasteners, phosphor-bronze spring, scraping contacts. Connectors take any size wire. No. 61 escutcheon may be used with this button.

092006	1059	$\frac{3}{4}$	*Light or dark pearl	50	.30
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MIDGET, No. 1159

Two scraping contacts to close two circuits; non-turnable centers, recommended for telephone or annunciator work. No. 61 escutcheon may be used with this button.

092010	1159	$\frac{3}{4}$	*Light or dark pearl	50	.60
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MIDGET, No. 1160

Same as No. 1159, but for return-call use. No. 61 escutcheon may be used with this button.

092012	1160	$\frac{3}{4}$	*Light or dark pearl	50	.60
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VAN TASSELL, No. 260
Two, Three, or Four-contact

092015	260	$\frac{3}{4}$	*Light or dark pearl	..	.60
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Four-contact furnished, unless otherwise ordered.

All of the above are finished in nickel-plated, brush brass, old brass or bronze. Nickel-plated is furnished, unless otherwise specified.

*Style furnished, unless otherwise specified.

Prices on special centers and finishes quoted upon application.

WORKRITE PUSH BUTTONS



No. 97



No. 970



No. 9703



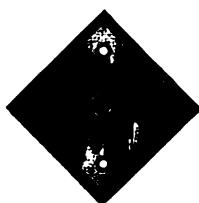
No. 974



No. 973



No. 976



No. 971



No. 975

The Workrite is the button with the long wiping contacts.

It is suitable for telephones, desks, street cars, elevators, automobiles, for operating electric horns, call bells, annunciators, etc.

UNMOUNTED

Trade No.	Mfrs. No.	Description	Fits Hole Size, In.	Std. Pkg.	Price Each
67275	97	Insulated frame.....	$\frac{1}{2}$	36	\$0.32
67276	970	Grounded frame, two-circuit	$\frac{1}{2}$	36	.36
67277	9702	Same as No. 97, spring fit..	$\frac{5}{8}$	36	.38
67278	9703	Same as No. 97, spring fit..	$\frac{3}{4}$	36	.34

ESCUTCHEONS

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
67279	974	One No. 97 on plate.....	18	\$0.36
67280	9740	One No. 970 on plate.....	18	.40
67281	973	One No. 97 on escutcheon.....	30	.38
67282	9730	One No. 970 on escutcheon....	30	.42

PENDENTS

Trade No.	Mfrs. No.	Description	Price Each
67283	976	One No. 97 in dark oak shell	\$0.50
67284	9760	One No. 97 in mahogany shell .....	.55
67285	977	One No. 97 in ivory celluloid shell.	.86
67286	9770	One No. 97 in black celluloid shell.	.86

Green silk cord attached to pendants, per foot, 5 cents.

MOUNTED ON PLATES

Trade No.	Mfrs. No.	Description	Size, Plate Inches	Std. Pkg.	Price Each
67287	971	One No. 97 on plate..	$1\frac{1}{2} \times 1\frac{1}{2}$	12	\$0.52
67288	9710	One No. 970 on plate..	$1\frac{1}{2} \times 1\frac{1}{2}$	12	.64
67289	975*	Three No. 97 on plate..	$2\frac{3}{4} \times 4\frac{1}{2}$	1	1.78
67290	9750*	Two No. 97 on plate..	$2\frac{3}{4} \times 4\frac{1}{2}$	1	1.34
67291	9751*	One No. 97 on plate..	$2\frac{3}{4} \times 4\frac{1}{2}$	1	.90
67292	9752*	One No. 970 on plate..	$2\frac{3}{4} \times 4\frac{1}{2}$	1	1.00
67293	979	One No. 97 on plate..	$1\frac{1}{4} \times 2$	12	.42
67294	9790	One No. 970 on plate..	$1\frac{1}{4} \times 2$	12	.46
67295	9791	Two No. 97 on plate..	$1\frac{1}{4} \times 3$	6	.80
67296	9792	Three No. 97 on plate..	$1\frac{1}{4} \times 4$	6	1.20
67297	9793	Four No. 97 on plate..	$1\frac{1}{4} \times 5$	6	1.60

*Nos. 975, 9750, 9751 and 9752 are drilled to fit No. 37 Bossert Switch Cover.

FINISHES AND MARKINGS

Standard metal finishes are nickel, polished brass and old brass; other finishes carry an extra charge.

Prices listed do not include lettering or numbering of plates.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

WORKRITE PUSH BUTTONS



No. 971



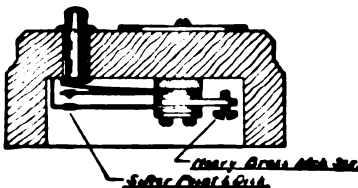
No. 972



No. 975



Wood Base



Showing Construction



Flush

REGULAR PUSH BUTTONS

Trade No.	Mfrs. No.	No. of Buttons	Size, Plate Inches	Price Each
066808	971	1	1½x1½x1/8	\$0.52
066809	972	1	1½x3¼x1/8	.66
066810	9721	2	1½x3¼x1/8	1.10
066811	975	3	2½x4¼x1/8	1.78
066812	9750	2	2½x4¼x1/8	1.34
066813	951	1	2½x4¼x1/8	.90

TWO-CIRCUIT PUSH BUTTONS

066814	9710	1	1½x1½x1/8	.64
066815	9720	1	1½x3¼x1/8	.78
066816	9752	1	2½x4¼x1/8	1.00

WOOD BASE PUSHRITE

Trade No.	Mfrs. No.	No. of Buttons	Price Each
066817	790	6	\$1.60
066818	791	10	2.50
066819	792	14	3.50
066820	793	20	4.80

WEIGHTED BASE PUSHRITE

066821	798	6	2.20
066822	799	10	3.50
066823	7901	14	4.90
066824	7902	20	6.80

The weighted base Pushrite is the same as the wood base Pushrite, with the addition of a weighted felt covered base.

FLUSH PUSHRITE

Trade No.	Mfrs. No.	No. of Buttons	Size, Plate Inches	Price Each
066825	794	6	3x 4½x1/8	\$3.20
066826	795	10	3x 6¼x1/8	4.00
066827	796	14	3x 8 x1/8	5.00
066828	797	20	3x10½x1/8	6.50

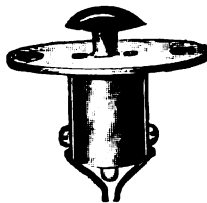
The flush Pushrite are furnished in old brass, brushed brass or nickel-plated.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FLOOR PUSHES AND BATTERY SWITCHES

DANDY DINING ROOM PUSHES

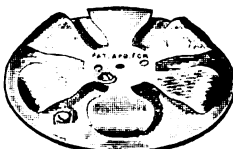
The Dandy Floor Pushes overcome every objection that has been urged against other styles. They cannot be broken, as a table leg will roll over the metal top without doing any damage. A knot can be tied in the cord under the metal top so that it will not pull out. A rubber bushing is used where the cord passes through the cap. Only one hole is required in the floor plate, and either plug passes through an eyelet which has been pressed through and fastened in the carpet or rug without breaking the strands. This eyelet enables floor plug to be easily replaced when removed for cleaning.



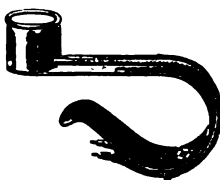
No. 042615



No. 042625



No. 042624



No. 41032



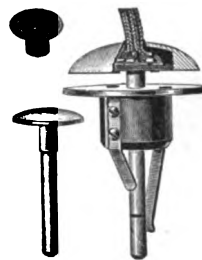
No. 040890



No. 040902



No. 040922



No. 042620

Trade No.	Description	Price Each
042621	Outfit complete, with cord and table button.....	\$3.00
042620	Dandy Floor Connection, only, complete.....	1.60
41028	Table button only .....	.70
41029	Silk cord, per yard.....	.16
41030	*Inserting tool only.....	.15

*By means of this inserting tool for inserting eyelet, the eyelet can be easily inserted in rug or carpet without breaking the strands. The price of the outfit complete and of the floor connection complete includes the eyelet and two plugs, one for extension push and one for foot push, but does not include the inserting tool, which is only furnished when ordered and is then charged extra.

NICKEL-PLATED FOOT PUSHES

042615	2 inches in diameter, for dining room floor button..	.50
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MOVABLE FOOT PUSHES

When it is desired to use the dining room button on the floor instead of on the table, we recommend this style of button as being better adapted for rough usage, although our regular dining room table button can be used as a movable foot push. We can furnish these pushes in connection with any of our dining room outfits when so ordered.

042625	Diameter of base, 3 inches.....	.90
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DAISY FLOOR TREADS

The most simple, durable, practical and convenient floor tread made. No hole in carpet or rug needed; will not mar hardwood floors. Contact sure and easy made from any point. Can be connected by anyone without trouble.

042624	Diameter, 2½ inches.....	1.50
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DINING ROOM TABLE CLAMPS

This style of table clamp is often preferred to the regular table button. We furnish the outfit complete, with cord and our combination floor connection, as illustrated.

41031	Outfit complete, with cord and floor connection	1.60
41032	Table clamp and push only .....	.60
41033	Floor connections only.....	.60
41034	Silk cord, per yard.....	.12

HOLLOW WOOD BASE SWITCHES

Well made and durable switches, 2¼ inches in diameter.

Trade No.	Style	Price Each	Trade No.	Style	Price Each
040890	1-point	\$0.16	040893	4-point	\$0.24
040891	2-point	.18	040894	5-point	.30
040892	3-point	.20	040895	6-point	.32

HARD RUBBER BASE SWITCHES

040902	1-point	.50	040905	4-point	.90
040903	2-point	.56	040900	5-point	1.20
040904	3-point	.60	040901	6-point	1.30

5 and 6-point switches have round hard rubber bases.

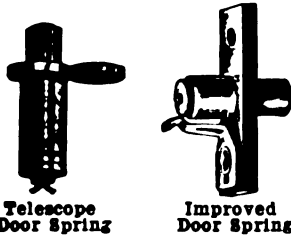
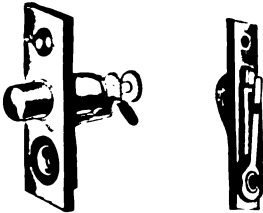
POLE CHANGING SWITCHES

Hard Rubber Base

Trade No.	Description	Price Each
040922	With back connections, as illustrated.....	\$1.50
040923	With top binding post connections	1.80

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ALARM ATTACHMENTS AND BATTERY SWITCHES

Telescope
Door SpringImproved
Door SpringMake and Break
Door SpringImproved Single
Window Spring

Door Trip



Applegate's Matting



Insulated Metal Base Switch



Crown Base Switch

REGULAR TELESCOPE DOOR SPRINGS

Trade No.		Price Each
10931	Open circuit	\$0.18

IMPROVED DOOR SPRINGS

The scraping contact keeps both contacts clean and free from dust, rust, etc., insuring a perfect connection. We recommend this as the most satisfactory door spring on the market.

Trade No.	Mfrs. No.		Size, Plate Inches	Std. Pkg.	Price Each
091574	34	Open circuit	2x ⁵ / ₈	90	\$0.24

MAKE AND BREAK DOOR SPRINGS

For use on store doors, etc. Contact is made as the door opens and as it shuts, but not while it is open or shut.

091576	38	Make and break	2x5/8	90	.28
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IMPROVED SINGLE WINDOW SPRINGS

A very compact and reliable spring. Easily applied.

091582	28	Open circuit	2 3/8 x 1 1/2	90	.24
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DOOR TRIPS

Arranged to ring a bell while a door is being opened, but not after it is fully opened or while it is closing.

38931	..	Open circuit50
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APPLEGATE'S BURGLAR ALARM MATTING

A slight pressure anywhere on the matting closes the electric circuit. A thin matting that can be concealed under carpets or rugs. Put up in rolls 2 and 3 feet wide. Any length cut to order.

Trade No.		Price per Sq. Ft.
38932	Rolls 2 feet wide	\$0.50
38933	Rolls 3 feet wide .....	.50

BATTERY SWITCHES

SINGLE AND MULTIPLE CONTACTS

Insulated Metal Base

Trade No.	Mfrs. No.		Std. Pkg.	Price Each
092145	109	Any size wire connectors, spring clips	12	\$0.30

Crown Base

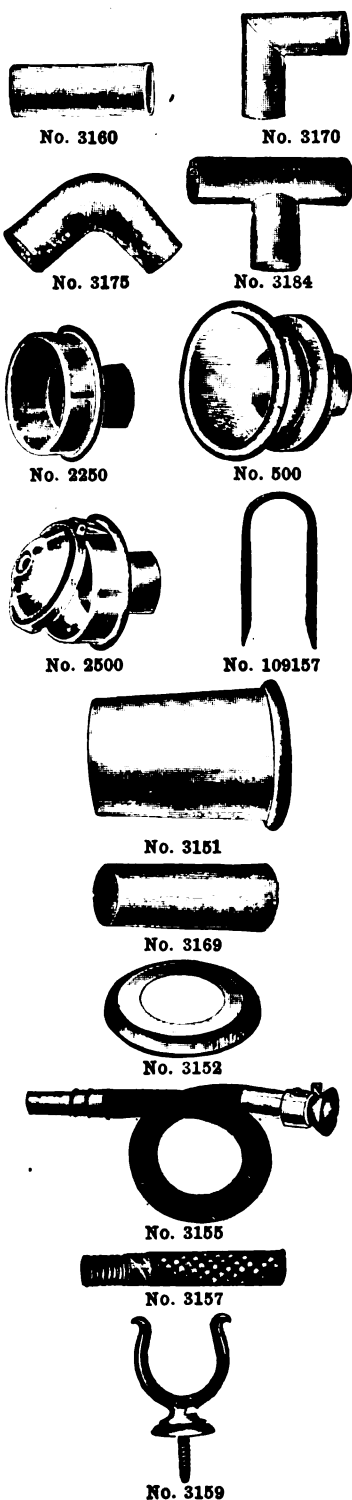
092147	164	Quick double-break, single-pole	12	.25
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Price of No. 109, 2-point, \$0.35.

Prices on additional points quoted on application.

Assortment of 12 also constitutes a standard package.

SPEAKING TUBE SUPPLIES



Trade No.	Mfrs. No.	Diam. Inches	Price per 1000 Ft.
043797	3160	1	\$30.00

SPEAKING TUBE ELBOWS

Trade No.	Mfrs. No.	Style	Diam. Inches	Price Each
043798	3170	Square	1	\$0.04
043809	3175	Round	1	.04
043812	3184	Tee	1	.14

MOUTHPIECES

109149	2250	Brush brass	1	.20
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Can be furnished also in nickel plate or oxidized copper finish.

PORCELAIN MOUTHPIECES

109150	500	Porcelain	1	.15
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SPEAKING TUBE WHISTLES

109156	2500	Brush brass	1	.30
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Can be furnished also in nickel plate or oxidized copper finish.

SPEAKING TUBE STAPLES

Trade No.	Mfrs. No.	Size Inches	Price Per Lb.
109157	1x2	.30

COLLARS FOR FLEXIBLE TUBES

Trade No.	Mfrs. No.	Size Inches	Price Each
043786	3151	1	\$0.25

CONNECTORS

043787	3169	1	.03
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FLANGES OR ROSETTES

For Mouthpieces or Whistles

043789	3152	1	.08
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FLEXIBLE, TERMINALS

Fitted with either whistle or open mouthpieces.

Trade No.	Mfrs. No.	Length Feet	Price Each
043791	3155	2	\$2.50
043792	3156	3	3.00

FLEXIBLE SPEAKING TUBE

043793	3157	Any length, per foot	.30
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1-inch diameter, covered with black or green braid.

TUBE RACKS

043794	3159	Nickel-plated	.40
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WOOD MATS

Quarter-sawed oak, hand-rubbed and varnished.

Trade No.	Mfrs. No.	Description	Price Each
109158	One-gang	\$1.50
109159	Two-gang	1.75
109160	Three-gang	2.00

Can be furnished up to six gang at an additional price of 25 cents per gang to list price of the three-gang mat.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

LETTER BOXES



No. 2300



No. 26



No. 260



No. 268



No. 269

STANDARD LETTER BOXES

Trade No.	Mfrs. No.	Description	Price Each
17859	2200	With mouthpiece	\$3.00
17860	2200	Without mouthpiece	3.00

Boxes can be furnished in brush brass and oxidized copper.

COUCH NESTED LETTER BOXES

These letter boxes are classified under two headings, namely, telephone type and speaking tube type.

The telephone type is supplied in two ways, one without call buttons for use with either common talking or non-interfering apartment house telephone systems wherein the buttons for calling the suites are mounted on the vestibule telephone or on a separate call unit associated with the telephone according to the capacity of the equipment desired; the other, with buttons for calling the suites mounted on the letter box unit, one button under each door, for use with common talking apartment house telephone systems only. With this latter type, no call buttons are needed on the vestibule telephone except possibly one for calling the janitor.

Letter boxes cannot be furnished with call buttons on them for use with non-interfering telephone systems.

We advise the use of letter boxes without call buttons, believing that it simplifies the wiring for the contractor to have all the wires brought into the vestibule telephone or call unit, as the case may be.

The speaking tube type is designed for use with apartment house speaking tube systems. Each letter box unit is equipped with a mouthpiece to fit 1-inch speaking tube, and with the necessary call buttons and card holders.



No. 261



No. 262

Telephone Type

Trade No.	Mfrs. No.	No. of Gangs	Outside Dimens. Inches	Wall Opening Inches	Price Each
17855	26	3	7x15	6x12 $\frac{1}{4}$	\$11.50
17856	260	4	7x18 $\frac{7}{8}$	6x16 $\frac{1}{8}$	15.35
17857	268	3	7x15	6x12 $\frac{1}{4}$	13.30
17858	269	4	7x18 $\frac{7}{8}$	6x16 $\frac{1}{8}$	17.75

Speaking Tube Type

Trade No.	Mfrs. No.	No. of Gangs	Outside Dimens. Inches	Wall Opening Inches	Price Each
17853	261	2	7x15	6x12 $\frac{1}{4}$	9.50
17854	262	3	7x18 $\frac{7}{8}$	6x16 $\frac{1}{2}$	11.50

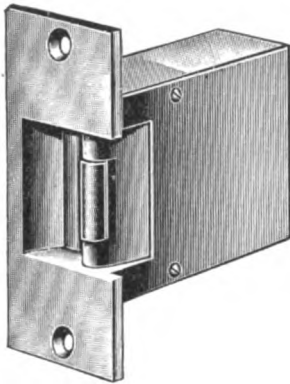
FINISH: Brush brass. An extra charge is made for other finishes.

NOTE: A clearance between partitions is needed for a distance of 5 inches below the lower edge of the wall opening for all letter boxes listed above.

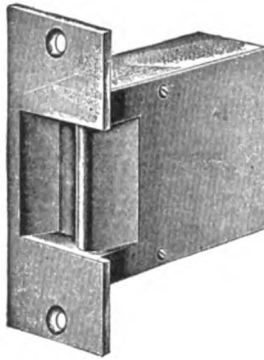
When two or more units are to be mounted side by side, the width of the wall opening should be 7 inches times the number of units minus 1 inch.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

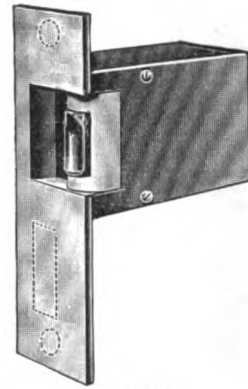
EDWARDS DOOR OPENERS AND LATCHES



No. 154



No. 155



No. 1541

MORTISE TYPE

No. 154, Roller Nose

For heavy doors. Mechanism enclosed. Requires straight mortise.

Dimensions: Width, 2 inches; depth, $2\frac{7}{8}$ inches; thickness, $1\frac{1}{8}$ inches; opening, $1\frac{1}{4}$ inches; face plate, $1\frac{1}{4} \times 3\frac{3}{8}$ inches.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
091804	154	Brass finish. No. 79 push-out spring included	25	\$3.00

No. 155, "Nojar" Solid Nose

Dimensions: Width, 2 inches; depth, $2\frac{7}{8}$ inches; thickness, $1\frac{1}{8}$ inches; opening, $1\frac{1}{4}$ inches; face plate, $1\frac{1}{4} \times 3\frac{3}{8}$ inches.

091806	155	Brass finish. No. 79 push-out spring included	25	2.50
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Nos. 1541 and 1542

For dead bolt and latch, sketch of striking plate required with order, to avoid mistakes; otherwise, no screw holes or bolt opening will be provided.

Dimensions: Width, 2 inches; depth, $3\frac{7}{8}$ inches; thickness, $1\frac{1}{8}$ inches; opening, $1\frac{1}{4}$ inches; face plate, $1\frac{1}{2} \times 6\frac{3}{8}$ inches.

091822	1541	Brass finish, with roller. No. 79 push-out spring included	6	5.50
091823	1542	Brass finish, without roller. No. 79 push-out spring included...	6	5.00

No. 52, Solid Nose—For Use with Sliding Door

Dimensions: Width, $3\frac{1}{4}$ inches; depth, $3\frac{1}{4}$ inches; thickness, $\frac{7}{8}$ inch; opening, $\frac{1}{2} \times 3\frac{3}{4}$ inch; face plate, $1 \times 4\frac{3}{4}$ inches.

091824	52	Bronze finish. No. 79 push-out spring included	1	15.00
091825	239	Bronze finish. Latch for use with No. 52 opener.....	1	2.00

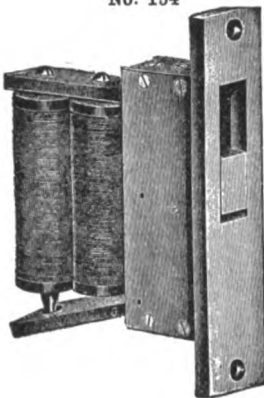
No. 53, Roller or Solid Nose

To release dead bolt and lock. Stays released until door is opened.

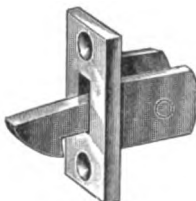
Dimensions: Width, $4\frac{1}{2}$ inches; depth, $2\frac{3}{4}$ inches; thickness, $1\frac{1}{2}$ inches; opening top, $1\frac{1}{2}$ inches; bottom, $1\frac{1}{4}$ inches; face plate, $1\frac{7}{8} \times 6\frac{3}{4}$ inches.

091826	53	Bronze finish.....	1	40.00
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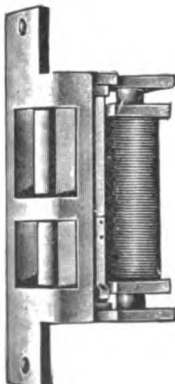
All above door openers, except Nos. 1541 and 1542, may be used on either right or left-hand doors.



No. 52



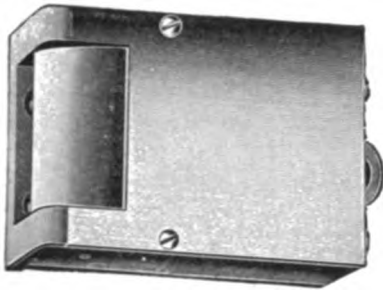
No. 239



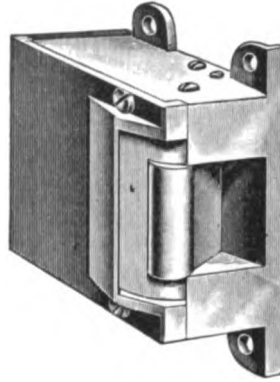
No. 53

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EDWARDS DOOR OPENERS AND LATCHES



No. 152



No. 50

RIM TYPE

No. 152, Solid Nose

For surface or rim locks, thin doors, iron gates, etc.

Dimensions: Width, 2 inches; depth, $2\frac{3}{8}$ inches; thickness, $1\frac{1}{4}$ inches; opening, $1\frac{1}{4}$ inches.

Trade No.	Mfrs. No.	Description	Std. Pkg.	Price Each
091807	152	Japanned finish. Brass front. No. No. 79 push-out spring included	6	\$3.50

Nos. 50 and 50B, Roller Nose

For surface or rim locks, thin doors, iron gates, etc.

Dimensions, No. 50: Width, $2\frac{1}{4}$ inches; depth, $2\frac{5}{8}$ inches; thickness, 1 inch; opening, $1\frac{1}{8}$ inches.

Dimensions, No. 50B: Width, $2\frac{1}{4}$ inches; depth, $2\frac{5}{8}$ inches; thickness, $1\frac{1}{2}$ inch; opening, $1\frac{1}{2}$ inches.

091808	50	Bronze finish. No. 49 push-out spring included	1	7.50
091809	50B	Bronze finish. No. 49 push-out spring included	1	12.50

PLATE TYPE

Nos. 51 and 51A, Roller Nose

For door frames too thin to take mortise.

Dimensions, No. 51: Width, $2\frac{1}{4}$ inches; depth, $2\frac{3}{8}$ inches; thickness, 1 inch; opening, $1\frac{1}{8}$ inches.

Dimensions, No. 51A: Width, $2\frac{1}{2}$ inches; depth, $2\frac{3}{8}$ inches; thickness, 1 inch; opening, $1\frac{1}{2}$ inches; face plate, $3\frac{3}{4} \times 1\frac{1}{2}$ inches; side plate, $3\frac{3}{4} \times 2\frac{7}{8}$ inches.

091842	51	Bronze finish. No. 49 push-out spring included	1	10.00
091843	51A	Bronze finish. No. 49 push-out spring included	1	15.00

No. 153, Roller Nose

For door frames too thin to take mortise.

Dimensions: Width, 2 inches; depth, $3\frac{7}{8}$ inches; thickness, $1\frac{1}{4}$ inches; opening, $1\frac{1}{4}$ inches; face plate, $1\frac{1}{4} \times 3\frac{3}{8}$ inches; side plate, $3\frac{3}{8} \times 3\frac{3}{4}$ inches.

091844	153	Brass finish. No. 79 push-out spring included	6	3.50
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All above door openers may be used on either right or left-hand doors.

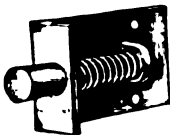
PUSH-OUT SPRINGS

For Use with Door Openers

091827	49	Mortise type. Phosphor-bronze..	6	.30
091828	79	Fits $\frac{1}{4}$ -inch hole. No screws required	12	.25



No. 153



No. 49



No. 79

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TANK INDICATORS AND FIRE ALARMS

Model A-20
IndicatorModel B-21
IndicatorModel D-23
IndicatorModel E-24
Indicator

PATTERSON ELECTRIC TANK INDICATORS

Patterson Electric Tank Indicators are made in six styles, each designed to fill certain requirements met with in tank work.

Patterson Electric Tank Indicators give a positive electrical alarm either in connection with a signal gong or an annunciator, showing when the contents of a tank have reached a maximum or minimum level, or both.

Patterson Electric Tank Indicators have self-cleaning contacts, brass-bushed bearings for vertical movement of rods in pipe, and will not fail when exposed to the most severe weather conditions. They are not affected by steam and vapor. All contacts are housed and protected against injury.

Trade No.	Mfrs. No.	Description	Price Each
081112	A-20	High and low water for closed tank .	\$12.00
081113	B-21	High and low water for open tank..	12.00
081114	C-22	Low water for closed tank.....	7.00
081115	D-23	Low water for open tank	7.00
081116	E-24	High water for closed tank	7.00
081117	F-25	High water for open tank	7.00
Extra length stem for any of the above indicators, per foot.....			.40

Models A-20 and B-21 are furnished regularly, allowing 12 inches between upper and lower balls.

Models C-22 and D-23 are furnished regularly with 24-inch iron pipe stem.

Models E-24 and F-25 are furnished regularly with 20-inch iron pipe stem.

If greater distance between base of flange and ball is required, same will be furnished up to 12 feet for \$0.40 per foot.

BREAK GLASS FIRE ALARM BOXES

No. 77

This box is particularly adapted for factories and hotels. The circuit is automatically closed by breaking the glass. There is no switch to be turned on.

Trade No.	Description	Price Each
081118	Complete with hammer	\$2.00

No. 227

The No. 227 fire alarm boxes are made perfectly weather-proof, fastened with strong brass padlock, and arranged for iron pipe to enter at bottom of box. Are arranged so as to operate by breaking glass and pushing button. The box is finished in red enamel, letters in black.

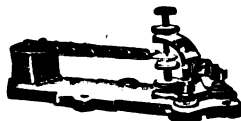
081119	Complete with padlock	35.00
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No. 77



No. 227



No. 1673



No. 1653

ADJUSTABLE THERMOSTATS

This thermostat can be set for any desired degree of temperature, and will make electrical contact on the rise or fall of temperature. Call bells, or other electrical alarms, can be connected in the circuit at any desired distance from the thermostat.

Trade No.	Mfrs. No.	Price Each
081120	1673	\$1.30

AUTOMATIC THERMOSTATS

081121	1653	.60
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When not otherwise ordered, this thermostat is set at 125° Fahrenheit.

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY FIRE ALARM SYSTEMS



Model F-2022
Enclosed Pull-lever Code-ringing
Type Fire Alarm Box



Model 2120
Single-stroke Half-guarded Gong



Model 2620
Electro-mechanical Gong

GENERAL OUTLINE OF FARADAY FIRE ALARM SYSTEMS

Faraday Interior Fire Alarm Systems are particularly designed and suitable for factories, schools, colleges, public institutions, hotels, theaters, office buildings, department stores, warehouses, apartment houses, etc., in fact, for every class of building where life and property should be protected from the fire hazard, but with full consideration that an interior fire alarm system must be simple and economical, both as to initial cost and maintenance.

Faraday Fire Alarm Systems are designed to operate from three sources of electrical energy, viz.:

- (1) D. C. electric light and power circuits.
- (2) A. C. electric light and power circuits.
- (3) Battery (both primary and storage) circuits.

Faraday Interior Fire Alarm Systems represent the latest developments in the fire alarm field. Particular attention is called to the entirely original cabinet-unit mounting feature of all control apparatus and instruments. Cabinets are absolutely fire-proof. They are of heavy pressed steel, finished in glossy vermillion. All instruments and control mechanisms are back connected, mounted on slate panels. Cabinets are furnished with glass windows through which all instrument dials are easily read without opening doors. Terminals on slate panels are latest type Underwriters' pattern, with each terminal so plainly marked that the connecting of circuit wires to mains, boxes, gongs and trouble bells can be readily made by any good mechanic.

Faraday Fire Alarm Systems may perhaps be classified in two general types, viz.:

- (a) Electrically-supervised closed circuit code ringing.
- (b) Non-supervised open circuit non-code ringing.

Electrically-supervised closed circuit code ringing systems are operated by a continuous flow of electric current, by either pull-lever or break-glass boxes, indicating by powerful single-stroke signals on gongs, location of box from which signal originates. Main circuits, box circuits and gong circuits are constantly under electrical test. Trouble of any nature on any part of this system or failure of operative current automatically indicating itself by ringing of trouble bell.

Non-supervised open circuit non-code ringing systems are operated by the current when the simple break-glass type box is put in service. The great disadvantage of this open-circuit non-supervised system is that some accident may, of course, at any time open the circuit and when this happens an attempt to send in a fire signal completely fails. Furthermore, with the open circuit system, location of box from which signal originates cannot be indicated, as the bells simply ring continuously till the glass in the box is replaced.

Electrically-supervised closed circuit systems may be subdivided into two classes, viz.:

- (a) Non-clock-work single-stroke gong systems.
- (b) Electro-mechanical (clock work) gong systems.

Send for Special 32-page Bulletin on Faraday Fire Alarm Systems



Model 2500
Vibrating, Half-guarded
Fire Alarm Gong



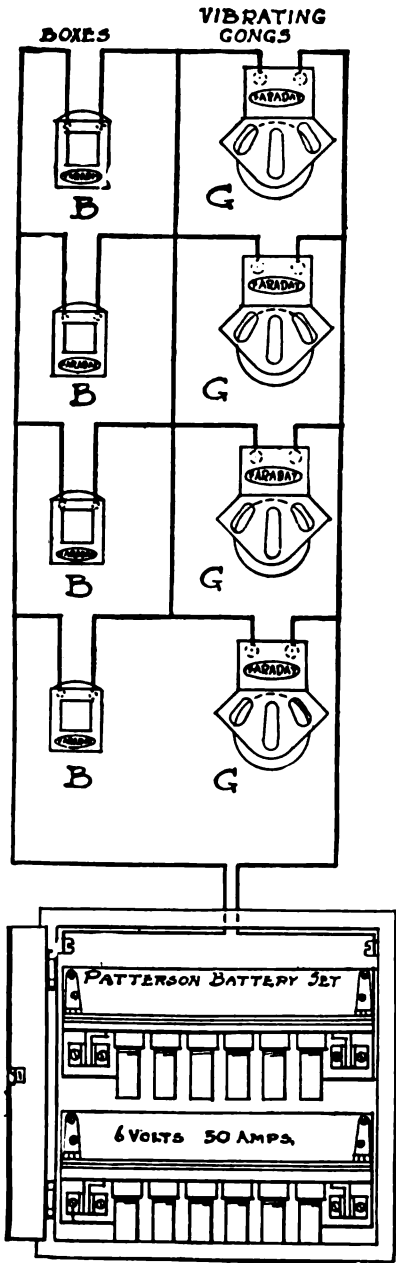
Model 2040
Break-glass Non-code-
ringing Fire Alarm Box
with Box Outlet Back for
Conduit

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY FIRE ALARM SYSTEMS

No. 1, NON-SUPERVISED, OPEN CIRCUIT

Non-selective, Non-code-ringing, Open Circuit Type, for Battery Circuits
Using Vibrating Gongs



Model 2040
Break-glass Non-code-ringing Box



Model 2500
Enclosed Vibrating Gong

Faraday No. 1 Fire Alarm System is a simple open-circuit, non-selective, non-code ringing, non-supervised system, i. e., does not indicate the location of the box from which the signal originated and does not automatically indicate failure of operative current or derangement of circuits or apparatus.

Breaking the glass of any box automatically rings all gongs. Gongs are vibrating type and after glass is once broken, will continue ringing until glass is replaced in box.

GONGS

Model No.	Description	Price Each
2500	8-inch enclosed type vibrating gong, wound to special resistance as follows: Up to and including 4 gongs, resistance per gong, 10 ohms. Up to and including 9 gongs, resistance per gong, 20 ohms. 10 gongs and over, resistance per gong, 40 ohms...	\$16.50
2500	10-inch gong, same as above.....	22.00
2500	12-inch gong, same as above.....	28.00

BOXES

2040	Break-glass fire alarm box for surface work, for 1/2-inch conduit ...	7.00
2042	Break-glass fire alarm box for concealed work, for 1/2-inch conduit .	8.00

BATTERY SETS

FA-62	Battery set, surface steel, for not over 4 gongs, no cells.	18.00
FA-102	Battery set, surface steel, for 5 to 9 gongs, inclusive, no cells.	30.00
FA-122	Battery set, surface steel, for 10 gongs and over (subject to certain limitations), no cells.	36.00

COLUMBIA IGNITOR SCREW-TOP CELLS

.....	For use in Patterson Battery Sets.	.50
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NOTE.—Conduit box backs are shipped separately for roughing. They are packed in individual cartons labeled B-2500 for enclosed type vibrating gongs, B-2040 for break-glass boxes, surface type, and B-2042 for break-glass boxes, flush type. When so shipped, conduit box backs will be charged out at \$2.00 list for bells and boxes and corresponding reduction made in billing bells and boxes.

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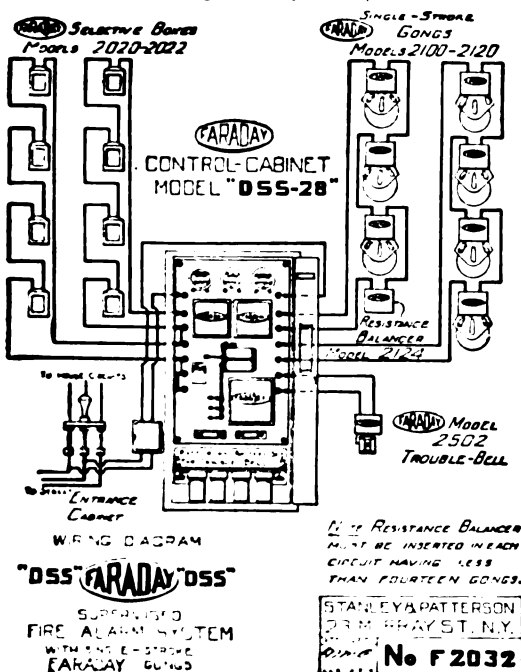
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY FIRE ALARM SYSTEMS

MODEL DSS, ELECTRICALLY SUPERVISED

Selective Code-ringing Closed Circuit Type, for 100-250-volt D. C. Circuits
Using Single-stroke Non-clock-work Faraday Gongs

Wiring Diagram Faraday "DSS" System



Model DSS, Faraday Fire Alarm
Control Cabinet

Model DSS (Direct Single-stroke) Faraday Fire Alarm Systems are designed for use where an absolutely dependable supply of direct current is available at all hours of the day and night.

Model DSS systems are similar to Model DEM systems, but employ Single-stroke Gongs, which require no winding up, in place of Electro-mechanical Gongs, which do require winding.

Main circuits, box circuits and gong circuits are constantly under electrical test. Trouble of any nature, on any part of the system or failure of operative current is automatically indicated by ringing of trouble bell.

CONTROL CABINETS

Model No.	Description	Price Each
DSS-14	Control Cabinet for installations not exceeding 14 gongs, complete	\$150.00
DSS-28	Same as DSS-14, except for 15 to 28 gongs	170.00
DSS-42	Same as DSS-14, except for 29 to 42 gongs	190.00
DSS-56	Same as DSS-14, except for 43 to 56 gongs	210.00

SINGLE-STROKE HALF-GUARDED GONGS

2120	6-inch half-guarded single-stroke Faraday enclosed type gong	14.00
2120	8-inch half-guarded single-stroke Faraday enclosed type gong	18.00
2120	10-inch half-guarded single-stroke Faraday enclosed type gong	22.00
2120	12-inch half-guarded single-stroke Faraday enclosed type gong	28.00
2120	14-inch half-guarded single-stroke Faraday enclosed type gong	33.00

Above gongs are furnished with knock-outs to slip both $\frac{1}{2}$ or $\frac{3}{4}$ -inch conduit.

BOXES

F-2022	Enclosed-lever code-ringing type Faraday box	17.00
A-2020	Break-glass code ringing type Faraday box	22.00

TROUBLE BELLS

2502	Faraday enclosed type trouble bell, with outlet box back one bell for each system	6.00
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RESISTANCE BALANCERS

2124	Faraday resistance balancer (number of gongs in each circuit and voltage of same must be given)	12.00
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One resistance balancer required for each circuit of less than 14 gongs. Where 14 gongs are used in each circuit no resistance balancer is required.

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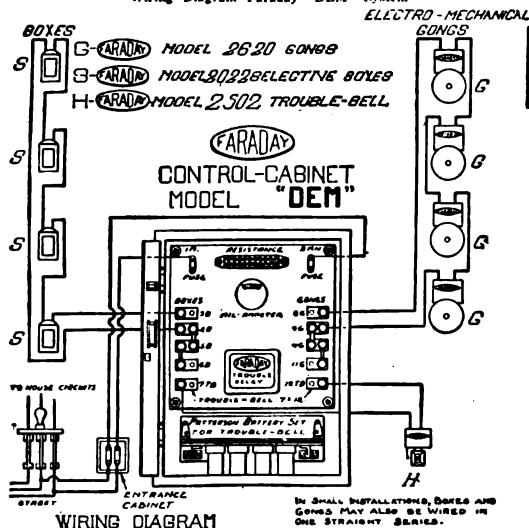
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY FIRE ALARM SYSTEMS

MODEL DEM, ELECTRICALLY SUPERVISED

Selective Code-ringing Closed Circuit Types, for 100-250-volt D. C. Circuits
Using Electro-mechanical Faraday Gongs

Wiring Diagram Faraday "DEM" System



"DEM" FARADAY "DEM"
SUPERVISED
FIRE ALARM SYSTEM
WITH ELECTRO-MECHANICAL
FARADAY GONGS

STANLEY & PATTERSON
23 MURRAY ST. N.Y.
No. F 2023



Model DEM, Faraday Fire Alarm
Control Cabinet

Model DEM (Direct Electro-mechanical) Faraday Fire Alarm Systems are designed for use where an absolutely dependable supply of direct current is available at all hours of the day and night.

Model DEM systems are similar to Model DSS systems, but employ electro-mechanical gongs which require winding up in place of single-stroke gongs which require no winding up.

Main circuits, box circuits and gong circuits are constantly under electrical test. Trouble of any nature, on any part of the system, or failure of operative current is automatically indicated by ringing of trouble bell.

CONTROL CABINETS

Model No.	Description	Price Each
DEM-14	Control cabinet for installations not exceeding 14 gongs, with slate panel, instruments, etc., complete.....	\$124.00
DEM-28	Same as DEM-14, except for 15 to 28 gongs.....	154.00

D. C. ELECTRO-MECHANICAL GONGS

2620	6-inch electro-mechanical Faraday gong.....	35.00
2620	8-inch electro-mechanical Faraday gong.....	36.20
2620	10-inch electro-mechanical Faraday gong.....	38.50
2620	12-inch electro-mechanical Faraday gong.....	40.80

Above gongs are furnished with outlet box backs to slip $\frac{1}{2}$ -inch or $\frac{3}{4}$ -inch conduit, as specified.

BOXES

F-2022	Enclosed-lever code-ringing type Faraday box.....	17.00
A-2020	Break-glass code-ringing type Faraday box.....	22.00

TROUBLE BELLS

2502	Faraday enclosed type trouble bell, with outlet box back (one trouble bell required for each system).....	6.00
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TESTING DEVICE

TT-2022	Testing device consisting of telephone receiver, cord and plug.....	5.00
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NOTE.—Conduit box backs are shipped separately for roughing. They are packed in individual cartons labeled B-2620 for electro-mechanical gongs, BF-2022 for enclosed lever boxes, B-2502 for trouble bells.

Prices for larger or special Model DEM systems on application.

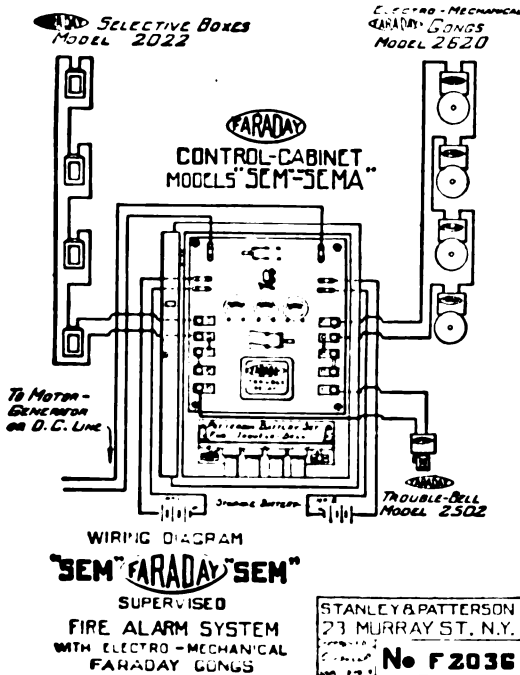
Send for Special 32-page Bulletin on Faraday Fire Alarm Systems

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY FIRE ALARM SYSTEMS**MODEL SEM, ELECTRICALLY SUPERVISED**

Selective Code-ringing, Closed Circuit Type, Using Electro-mechanical Faraday Gongs

Wiring Diagram Faraday "SEM" System



Model SEM Faraday Fire Alarm Control Cabinet

Model SEM (Storage Electro-mechanical) Faraday Fire Alarm Systems are designed for use where neither A.C. nor D.C. electric light or power current is at all times available from a constant absolutely dependable source, but where either A.C. or D.C. at certain periods is available.

Model SEM systems are similar to Model SSS systems, but employ electro-mechanical gongs which require winding up in place of single-stroke gongs which do not require winding up.

Main circuits, box circuits and gong circuits are constantly under electrical test. Trouble of any nature, on any part of the system, or failure of operative current is automatically indicated by ringing of trouble bell.

CONTROL CABINETS

Model No.	Description	Price Each
SEM-14	Control cabinet for installations not exceeding 14 gongs, complete.....	\$200.00
SEM-28	Control cabinet for installations 15 to 28 gongs, inclusive, complete.....	220.00
SEMA-14	Similar to SEM-14, except has in addition controller for motor generator..	220.00
SEMA-28	Similar to SEM-28, except has in addition controller for motor generator..	240.00

STORAGE BATTERY

SB-24	Storage battery for above systems complete, (not charged), per cell....	5.40
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MOTOR GENERATOR

MG-108	Motor generator, direct connected unit, to generate direct current for storage battery charging, complete, with base (may be used in connection with either SEMA-14 or SEMA-28 control cabinets)	200.00
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D. C. ELECTRO-MECHANICAL GONGS

2620	6-inch electro-mechanical Faraday gong.....	35.00
2620	8-inch electro-mechanical Faraday gong.....	36.20
2620	10-inch electro-mechanical Faraday gong.....	38.50
2620	12-inch electro-mechanical Faraday gong.....	40.80

Above gongs are furnished with outlet box backs to slip either $\frac{1}{2}$ or $\frac{3}{4}$ -inch conduit.

BOXES

F-2022	Enclosed lever code ringing type Faraday box.....	17.00
A-2020	Break-glass code ringing type Faraday box.....	22.00

TROUBLE BELLS

2502	Enclosed type trouble bell, with outlet box back one bell for each system	6.00
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Send for Special 32-page Bulletin on Faraday Fire Alarm Systems

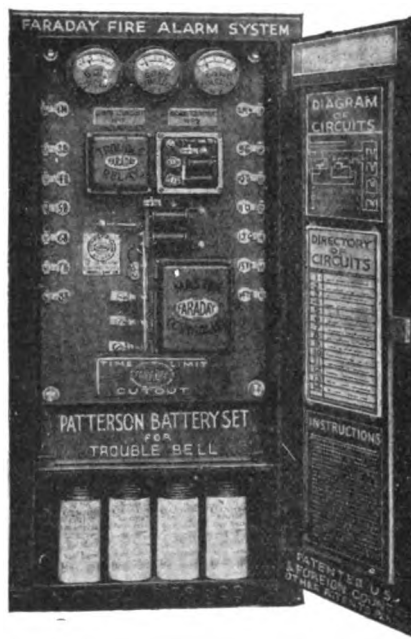
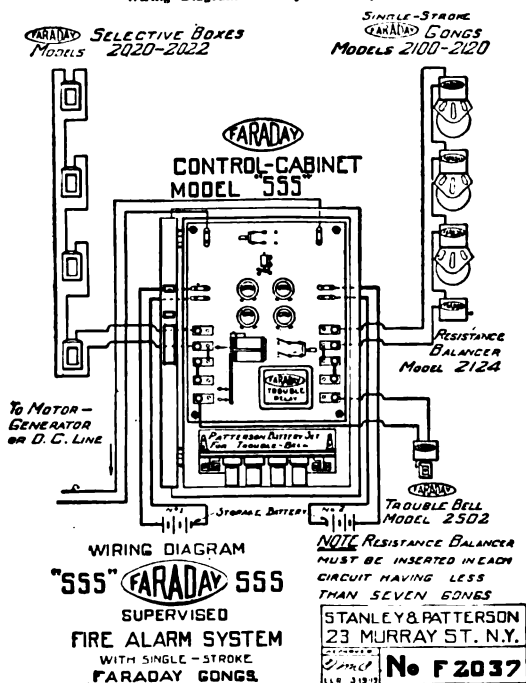
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY FIRE ALARM SYSTEMS

MODEL SSS, ELECTRICALLY SUPERVISED

Selective Code Ringing Closed Circuit Type Using Single-stroke Faraday Gongs

Wiring Diagram Faraday "SSS" System



Model SSS Faraday Fire Alarm
Control Cabinet

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

Model SSS (Storage Single Stroke) Faraday Fire Alarm Systems are designed for use where neither A. C. nor D. C. electric light or power current is available for a constantly dependable source, but where either A. C. or D. C. at certain periods is available.

Model SSS systems are similar to Model SEM systems, but employ single stroke gongs which require no winding up in place of electro-mechanical gongs which do require winding up.

Main circuits, box circuits and gong circuits are always under electrical test. Trouble on any part of system, or failure of operative current is automatically indicated by ringing of trouble bell.

CONTROL CABINETS

No. Model	Description	Price Each
SSS-7	Control cabinet for installations not exceeding 7 gongs, complete	\$170.00
SSS-14	Same as SSS-7, except for installations 8 to 14 gongs.	200.00
SSCD	Charging cabinet for charging storage battery from D. C. circuits.	200.00
SSCM	Charging cabinet for charging storage battery from motor generator	230.00

BATTERIES

SB-24	Storage battery for above systems, complete per cell	5.40
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MOTOR GENERATORS

M6-108	Motor generator, with base direct connected, for storage battery charging.	200.00
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HALF-GUARDED SINGLE-STROKE GONGS

2120	6-inch half-guarded single-stroke enclosed type gong.	14.00
2120	8-inch half-guarded single-stroke enclosed type gong.	18.00
2120	10-inch half-guarded single-stroke enclosed type gong.	22.00
2120	12-inch half-guarded single-stroke enclosed type gong.	28.00
2120	14-inch half-guarded single-stroke enclosed type gong.	33.00

BOXES

F-2020	Enclosed-lever code-ringing type Faraday box.	17.00
A-2020	Break-glass code-ringing type Faraday box.	22.00

TROUBLE BELLS

2502	Enclosed type trouble bell, with outlet box back one bell for each system. ...	6.00
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RESISTANCE BALANCERS

2124	Resistance balancer (one required for each circuit of less than 7 gongs)	12.00
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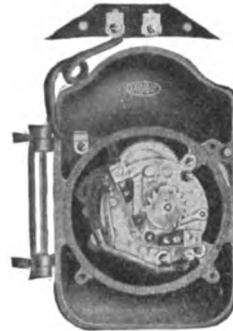
Send for Special Bulletin on Faraday Fire Alarm Systems

FARADAY FIRE ALARM BOXES

ENCLOSED, PULL-LEVER, SELECTIVE CODE-RINGING



Model F-2022 Fire Alarm Box



Model F-2022, Showing Mechanism

Enclosed Pull-lever Code-ringing Type Fire Alarm Boxes are designed to give any signal required for standard fire alarm work, and automatically transmit the signal four times with absolutely perfect timing of each signal.

The boxes are absolutely non-interference type; i. e., after the lever has once been pulled down and released, the signal cannot be either intentionally or unintentionally disarranged.

The mechanism of the Faraday Box has the following important points of superiority:

- 1.—Positive, self-cleaning make and break contactors, each of which is provided with duplex silver contacts.
- 2.—Contact springs are of genuine phosphor-bronze, insulated from break wheel by Bakelite rollers, and mounted on separate individual Bakelite blocks. This completely overcomes the oldtime trouble so frequently experienced in boxes where the two contact springs were mounted on the same block. There can be no trouble from grounds and shorts—a common source of annoyance in competitive boxes, wherever there is careless use of flux in soldering.
- 3.—Solid brass code or break wheel is rigidly mounted on shaft. The break wheel requires no insulation from shaft, which is provided with a square shoulder, making it impossible for the break wheel to turn on the shaft or work loose, a trouble frequently found in other boxes.
- 4.—Strong powerful train of heavy cut-gears.
- 5.—Three separate and distinct test devices, viz:
 - (a) Silent test with Model TF-2022 telephone receiver and plug. This test enables the box to be operated in a manner exactly similar to an actual sounding of the alarm, but does not ring the gongs, although the signal can be heard in the telephone receiver.
 - (b) Silent test by left-hand turn of test key. This test, by pulling down the lever, tests the box train only.
 - (c) Standard key test by right-hand turn of test key. This test, without pulling down lever, permits any pre-determined signal to be given and also test of gong circuits and gongs.
- 6.—Contact points can be very positively cleaned by right-hand turn of test key.
- 7.—Transparent glass enclosing case over mechanism, securely seated onto a heavy felt gasket, keeps all dust out of mechanism, yet affords full view of every part of the mechanism.
- 8.—Seal feature prevents unauthorized access to the mechanism. Mechanism may be readily re-sealed by any authorized person.
- 9.—Circuit-wire terminals, approved Underwriters' pattern, on substantial Bakelite blocks are mounted at the front and top of outlet box, convenient to conduit entrances where circuit wires are brought in.
- 10.—Separable outlet box backs for conduit entrances render unnecessary the installation of mechanism and doors until after roughing is done.

Model No.	Description	Price Each
F-2022	Enclosed pull-lever code-ringing type fire alarm box, with outlet box back for Conduit, complete	\$17.00
BF-2022	Outlet box back only	2.00
MF-2022	Mechanism only and doors (no outlet box back)	15.00

Send for Special 32-page Bulletin on Faraday Fire Alarm Systems

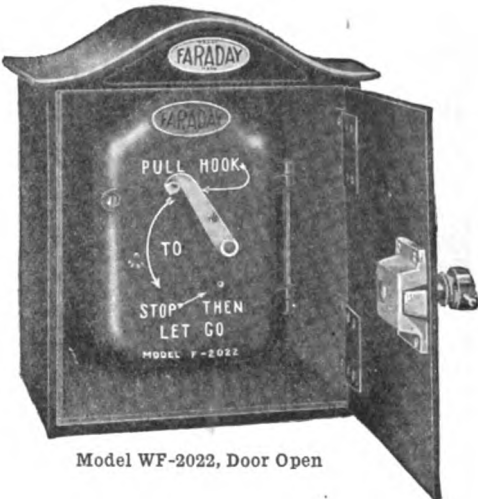
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

FARADAY FIRE ALARM BOXES

WEATHERPROOF, ENCLOSED, PULL-LEVER, SELECTIVE CODE-RINGING



Model WF-2022, Door Closed



Model WF-2022, Door Open

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

These boxes are a combination of the standard pull-lever box Model F-2022 in a heavy cast iron weatherproof enclosing case, finished in glossy English vermillion.

In many exposed locations these boxes are extremely desirable. While specifically designed for outside installation, their use is not limited to this class of work, for in many cases interior fire alarm boxes are installed where they are subject to mechanical injury and dampness. These boxes are ideal for places where these conditions exist and are often desirable for installations where it is advantageous to prevent access to the box for the sending of an alarm by other than authorized parties with proper keys.

These boxes are regularly furnished with substantial flush setting brass butts as shown in illustration. Outer doors are furnished as specified, either with Sargent Brass Flat Key Spring Latch or turn-handle brass spring latch without key.

Faraday Weatherproof Boxes are regularly furnished drilled and tapped universal to take 1/2-inch and 3/4-inch conduit, as the work requires.

When so specified, weatherproof boxes will be furnished to receive any size conduit at any location or locations in box special requirements may demand.

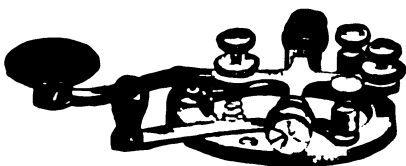
Model No.	Description	Price Each
WF-2022	Weatherproof fire alarm box, consisting of standard pull-lever box enclosed in weatherproof case complete, with either Sargent Brass Spring Latch with flat key or turn-handle brass spring latch without key, as specified.....	\$30.00
W-2022	Cast iron weatherproof enclosing case only, with either Sargent Brass Spring Latch with flat key, or turn-handle brass spring latch without key, as specified (without F-2022 pull-lever box)	13.50
F-2022	Pull-lever selective type fire alarm box only (no lever-enclosing door), without weatherproof enclosing case.....	16.50

Send for Special 32-page Bulletin on Faraday Fire Alarm Systems

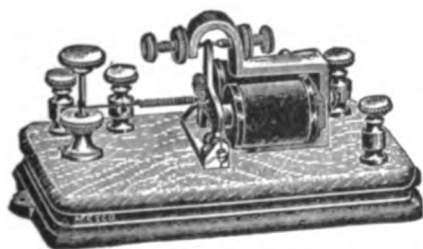
TELEGRAPH INSTRUMENTS



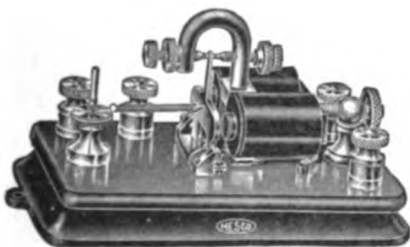
Key with Legs



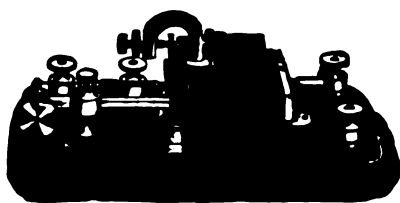
Legless Key



Standard Pony Relay



Improved Pony Relay



Commercial Standard Relay

STEEL LEVER KEYS

All keys are fitted with improved adjustment spring holder.

All the parts are finely finished. It has nickel-plated lever, gutta percha knobs, and brass work highly polished. It is the standard of Postal and Western Union Telegraph Companies.

Trade No.	Mfra. No.	With Legs	Price Each
		Description	
11791	103	Nickel-plated lever, brass frame	\$2.00
11792	105	Nickel-plated lever and frame	2.30
Legless			
11793	108	Nickel-plated lever, brass frame	2.20
11794	109	Nickel-plated lever and frame	2.50

STANDARD PONY RELAYS

Mounted on polished mahogany base, with metallic sub-base.

Its use will enable work on lines up to 20 miles, with perfect ease, in cases where main line sounders fail to give satisfaction. Requires less battery to operate it than does any main line sounder of like resistance.

11795	114	5 ohms, for burglar alarm work	3.00
11796	115	20 ohms, for lines up to 10 miles	3.20
11797	116	50 ohms, for lines 10 to 30 miles	3.40
11798	118	75 ohms, for lines 30 to 50 miles	3.60

IMPROVED PONY RELAYS

This relay is an improvement on the standard pony type and combines the good points of the pony with those of the larger size instrument. It has adjustable magnets, one-piece armature and lever. It is finely finished and mounted on polished mahogany base with enameled iron sub-base.

11799	162	5 ohms, for burglar alarm work	3.70
11800	163	20 ohms, for lines up to 10 miles	3.90
11801	164	50 ohms, for lines 10 to 30 miles	4.10
11802	165	75 ohms, for lines 30 to 50 miles	4.30

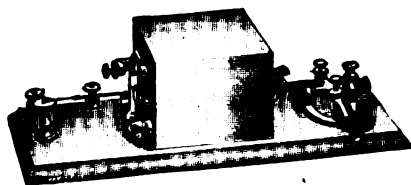
COMMERCIAL STANDARD RELAYS

Polished rubber covered coils, mahogany base. Ornamental sub-base and extension adjustment.

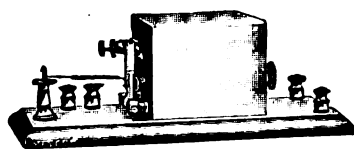
11803	125	150 ohms.	7.00
11804	145	250 ohms.	7.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

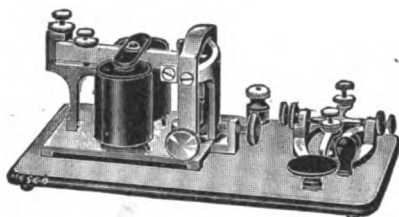
TELEGRAPH INSTRUMENTS



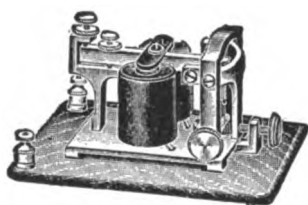
Box-Sounding Relay, with Key



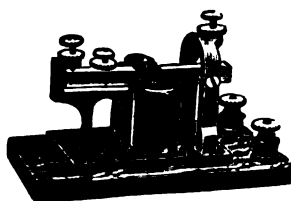
Box-Sounding Relay, without Key



Main Line Sounder, with Key



Main Line Sounder, without Key



Improved Giant Sounder

BOX-SOUNDING RELAYS

The box relay is designed to combine in one instrument, as far as possible, all the advantages to be obtained in ease of working on long or difficult lines, that is guaranteed by the use of a relay, and at the same time dispense with the usual local sounder and local battery. The box device has the acoustic effect of amplifying the sound to such an extent as to make the use of the sounder unnecessary, except in very noisy locations. Is provided with local connections, so that it can be used for a relay, if so desired; the magnets are adjustable, and there is a patented device attached to the sounding box, so that the sound can be regulated to suit. This set is made with box and base of polished mahogany.

With Key

Trade No.	Mfrs. No.	Resistance Ohms	Price Each
040177	127	150	\$10.00
040178	133	250	10.50

Without Key

040179	129	150	8.00
040180	131	250	8.50

Special resistances to order.

MAIN LINE SOUNDERS

Unequaled for wrecking, testing, switching or temporary office use, and all places where it is desirable to dispense with local batteries.

Made with full size relay magnets of 150 ohms resistance, having a special armature adjustment and fully suited for doing, in a greatly improved manner, the work of regular main line box relays. They are sensitive to weak currents, giving a clear working sound on circuits where, without them, a relay with local sounder and battery would be absolutely necessary.

With Key

040181	135	150	10.00
040182	138	250	10.50

Without Key

040183	136	150	8.00
040184	140	250	8.50

IMPROVED GIANT SOUNDERS

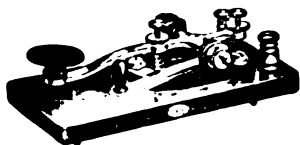
Aluminum Lever

One cell of ordinary crowfoot battery will operate this instrument, producing a sound louder and clearer than can be obtained from any other sounder with two cells of battery.

040187	111	5	2.80
040188	113	20	3.10

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TELEGRAPH INSTRUMENTS



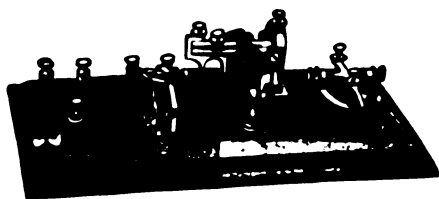
Reliable Telegraph Key



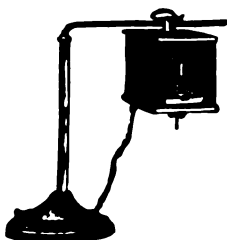
Reliable Telegraph Sounder



Eureka Telegraph Instrument



Combination Set

Portable Resonator
with SounderAdjustable Resonator
with Sounder

RELIABLE TELEGRAPH KEY AND SOUNDER

Reliable Telegraph Key and Sounder shows the Eureka type of telegraph instruments mounted on separate bases.

Under some conditions this arrangement of key and sounder is preferable to the single base, because of limited space or a desire to place the sounder where it would be inconvenient for operating the key.

The steel lever is nickel-plated and polished. The sounder lever, sounder yoke or anvil, adjusting screws, etc., are finely finished composition metal, such as is used in all high grade instruments. The sounder base is japanned and striped with gilt.

Key knob and circuit closer knob are of polished hard rubber composition.

Two extra binding posts are mounted on the Reliable Key Base for convenience in making electrical connections.

Every instrument is guaranteed.

Trade No.	Mfrs. No.	Description	Price Each
040168	101	Key	\$1.20
040169	143	Sounder, 5 ohms	1.60
040170	144	Sounder, 20 ohms	1.90

EUREKA TELEGRAPH INSTRUMENTS

11815	178	5 ohms.....	2.50
11816	179	20 ohms.....	2.80

The most complete book of instructions for amateurs ever published is furnished with each instrument.

COMBINATION SETS

This set consists of a standard Relay Improved Giant Sounder and Steel Lever Key mounted on highly polished mahogany base.

Trade No.	Mfrs. No.	Resistance Ohms	Price Each
040171	158	150	\$14.00
040172	159	250	14.50

Special resistances to order.

PORTABLE RESONATORS

The base of the standard is broad and heavy. Conducting cords pass through the base and hollow standard.

Trade No.	Mfrs. No.	Description	Price Each
040173	654	With sounder and 6-ft. cord	\$6.30
040174	655	Resonator and base only...	3.50

ADJUSTABLE RESONATORS

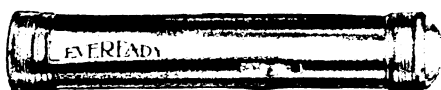
The position of the sounder, incased in the resonator, which greatly increases and concentrates the sound, is adjustable both as to its height and lateral place, so as to be entirely convenient to the receiving operator without affecting the work at other instruments, the sound being almost entirely confined to the immediate locality of the instrument.

040175	661	With sounder and cord...	10.80
040176	662	Without sounder.....	8.00

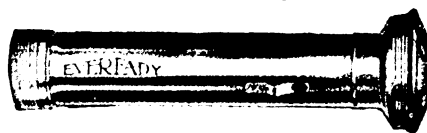
EVEREADY TUNGSTEN TUBULAR FLASH LIGHTS

The nickel-plated cases are not injured by oil or moisture.

All flash lights have slide switches, which give continuous light, except Nos. 2624, 2625, 2626 and 2627, which have spring switches, giving either flash or continuous lights as desired.



With Nickel-plated Case



Miner's Light, with Nickel-plated Case

WITH NICKEL-PLATED CASE

Trade No.	Mfrs. No.	Size Inches	Price, Each Complete	No. of Battery	Price, Each Extra Battery	No. of Bulb	Price, Each Extra Bulb
101132	2630	1 1/4 x 5	\$1.25	791	\$0.30	1182	\$0.13
101133	2631	1 1/2 x 6 1/2	1.50	790	.30	1198	.13
101134	2632	1 1/2 x 8 1/2	1.75	705	.40	1193	.13

MINERS' LIGHTS, WITH NICKEL-PLATED CASE

101135	2633	1 1/2 x 8 1/2	2.40	705	.40	1193	.13
101136	2634	1 1/2 x 6 1/2	2.00	790	.30	1198	.13



With Vulcanized Fiber Case



With Cloth Covered Case

WITH LEATHERETTE CASE

054413	2606	1 1/2 x 8 1/2	1.20	705	.40	1193	.13
101137	2608	1 1/2 x 11	1.50	711	.45	1199	.13
101138	2610	1 1/2 x 13	2.00	715	.70	1195	.13

WITH VULCANIZED FIBER CASE

054421	2602	1 1/4 x 5	1.00	791	.30	1182	.13
054422	2604	1 1/2 x 6 1/2	1.20	790	.30	1198	.13
054410	2612	1 1/2 x 8 1/2	1.40	705	.40	1193	.13
101139	2614	1 1/2 x 11	1.75	711	.45	1199	.13
101140	2615	1 1/2 x 13	2.20	715	.70	1195	.13

WITH CLOTH COVERED CASE

16748	*2622	1 1/2 x 6 1/2	.95	790	.30	1198	.13
16749	2624	1 1/2 x 6 1/2	.95	790	.30	1198	.13
16742	2625	1 1/2 x 6 1/2	.95	790	.30	1198	.13
16744	2626	1 1/2 x 8 1/2	1.00	705	.40	1193	.13

*No. 2622 has a snake cloth case; No. 2625 has an alligator cloth case; Nos. 2624 and 2626 are black cloth covered.

WITH ENAMELED METAL CASE

101143	2628	1 1/2 x 6 1/2	.75	790	.30	1198	.13
16745	2627	1 1/2 x 8 1/2	.90	705	.40	1193	.13



Miner's Flash Light, with Vulcanized Fiber Case



Portable Searchlight, with Vulcanized Fiber Case

MINERS' FLASH LIGHTS, WITH VULCANIZED FIBER CASE

054417	2616	1 1/2 x 6 1/2	1.50	790	.30	1198	.13
054418	2619	1 1/2 x 8 1/2	1.70	705	.40	1193	.13
101141	2621	1 1/2 x 11	2.25	711	.45	1199	.13
101142	2623	1 1/2 x 13	2.70	715	.70	1195	.13

PORTABLE SEARCHLIGHTS, WITH VULCANIZED FIBER CASE

Equipped with lens and parabolic reflector. Throws a powerful beam of light for a great distance.

16746	2659	1 1/2 x 8 1/2	3.00	705	.40	1193	.13
16747	2653	1 1/2 x 13	4.00	715	.70	1195	.13

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EVEREADY TUNGSTEN POCKET FLASH LIGHTS



No. 6990—Open



No. 6991



No. 6992



No. 6970

VEST POCKET TYPE

Nickel-plated, Side Opening

Trade No.	Mfrs. No.	Size Inches	Price, Ea. Complete	No. of Battery	Price, Ea. Extra Battery	No. of Bulb	Price, Ea. Extra Bulb
101014	6990	2 7/8 x 1 1/2 x 5/8	\$1.00	700	.30	1179	\$.013
101015	6991	3 1/4 x 1 7/8 x 3/4	1.00	750	.30	1180	.13
101016	6992	3 1/4 x 2 3/8 x 3/4	1.25	751	.35	1181	.13

Nickel-plated, Top Opening

91196	6970	2 1/2 x 1 3/8 x 1 1/8	.85	700	.30	1179	.13
91197	6971	2 7/8 x 1 1/2 x 3/4	.85	750	.30	1180	.13
91198	6972	2 7/8 x 2 x 3/4	1.10	751	.35	1181	.13

Nickel-plated, Bottom Opening

16777	6900	2 1/2 x 1 1/4 x 1 1/8	.75	700	.30	1179	.13
16778	6961	2 5/8 x 1 3/8 x 3/4	.75	750	.30	1180	.13
16779	6962	2 5/8 x 2 x 3/4	1.00	751	.35	1181	.13
101013	6954	3 1/2 x 1 7/8 x 1	1.00	792	.30	1182	.13

Silver-plated, Bottom Opening

Designed for gifts, prizes, etc. An especially beautiful line embossed with an artistic design, quadruple silver-plated with popular gray finish.

101017	6980	2 1/2 x 1 1/4 x 1 1/8	1.25	700	.30	1179	.13
101018	6981	2 5/8 x 1 3/8 x 3/4	1.25	750	.30	1180	.13
101019	6982	2 5/8 x 2 x 3/4	1.50	751	.35	1181	.13

With Black Cloth Covered Case

054424	6902	3 1/2 x 1 7/8 x 1	1.00	792	.30	1197	.13
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With Snake Cloth Covered Case

101020	6952	3 1/2 x 1 7/8 x 1	1.00	792	.30	1197	.13
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With Alligator Cloth Covered Case

101021	6953	3 1/2 x 1 7/8 x 1	1.00	792	.30	1197	.13
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With White Celluloid Covered Case

101025	6950	3 1/2 x 1 7/8 x 1	1.25	792	.30	1197	.13
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With Black Celluloid Covered Case

101026	6951	3 1/2 x 1 7/8 x 1	1.25	792	.30	1197	.13
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COAT POCKET TYPE

With Black Cloth Covered Case

054428	6903	3 1/2 x 2 3/4 x 1	1.00	703	.35	1190	.13
054429	1991	5 x 2 1/4 x 1 1/8	1.25	793	.35	1197	.13

With Snake Cloth Covered Case

101022	6904	3 1/2 x 2 3/4 x 1	1.00	703	.35	1190	.13
101023	1992	5 x 2 1/4 x 1 1/8	1.25	793	.35	1197	.13

With Alligator Cloth Covered Case

054427	6901	3 1/2 x 2 3/4 x 1	1.00	703	.35	1190	.13
101024	1993	5 x 2 1/4 x 1 1/8	1.25	793	.35	1197	.13

With Vulcanized Fiber Case

101027	6909	3 1/2 x 2 3/4 x 1	1.50	703	.35	1190	.13
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With Black Celluloid Case

101028	6915	3 1/2 x 2 3/4 x 1	1.50	703	.35	1190	.13
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IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



No. 6971



No. 6972



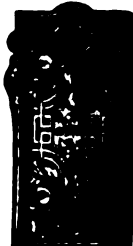
No. 6900



No. 6961



No. 6962



No. 6961



No. 6902



No. 6909

EVEREADY ELECTRIC LANTERNS



No. 4716



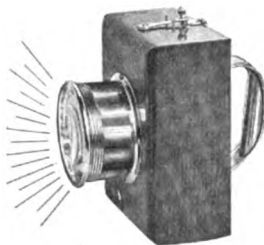
No. 4702



No. 4708



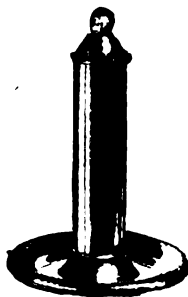
No. 4707



No. 4703



No. 4709



No. 1657

HANDY LAMPS

Handy lamps take a standard round 6-inch dry cell, but give best results with Eveready No. 406 Battery. They give a large volume of brilliant white light and have a life of many months in ordinary service.

Trade No.	Mfrs. No.	Price, Each Less Battery	No. of Battery	Price, Each Ex. Battery	No. of Bulb	Price, Each Ex. Bulb
53437	4716	\$1.25	406	\$0.35	1451	\$0.15

SEARCH LANTERNS

No. 4702

These search lanterns are equipped with a silver-plated parabolic reflector that throws a strong beam of light a long distance.

Trade No.	Mfrs. No.	Price, Each With Battery	No. of Battery	Price, Each Ex. Battery	No. of Bulb	Price, Each Ex. Bulb
53436	4702	5.50	710	.75	1195	.13

No. 4708

Similar in design to No. 4702, but smaller and lighter.

53440	4708	3.50	775	.45	1199	.13
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HOUSE LAMPS

These house lamps are of especial beauty and attractiveness. All parts are highly nickel-plated. Designed to appeal strongly to the housewife but equally useful to all who work in the dark.

Size $4\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{1}{2}$ Inches						
53434	4707	3.50	734	.45	1199	.13
Size $4 \times 2\frac{1}{2} \times 2\frac{1}{2}$ Inches						
53435	4706	2.00	703	.35	1190	.13

HOUSE LAMPS WITH WOODEN CASES

These house lamps have a handsome oak case, convenient, rigid carrying handle and same reflecting mechanism as used in miners' flash lights.

Size $5 \times 3\frac{1}{2} \times 2\frac{1}{2}$ Inches						
53432	4703	3.00	734	.45	1199	.13
Size $5 \times 3\frac{1}{2} \times 3\frac{1}{2}$ Inches						
53438	4704	5.00	719	.75	1195	.13

WATCHMEN'S LANTERNS

Similar to search lanterns, but with a smaller reflector.

53431	4701	5.00	710	.75	1195	.13
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HOUSEHOLD LANTERNS

No. 4709						
53441	4709	2.50	734	.45	1199	.13

No. 4712

Similar to No. 4709, but gives brighter light.						
53442	4712	3.00	719	.75	1195	.13

CANDLES

Dainty in design and beautifully nickel-plated.						
53443	1657	1.00	791	.30	1192	.13

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

EVEREADY SPECIALTIES



Automobile Trouble Lamp



Cap Light



Lapel Light



Pistol Light

Fountain
Pen LightRange
Lighter

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

AUTOMOBILE TROUBLE LAMPS

Connected to lamp socket of the car lighting system. Throws a powerful beam of light over 100 feet. Safe around gasoline.

Trade No.	Mfrs. No.	Description	Price Each
55508	3751	With G-6, 4 candle power single contact Edison Base Lamp and attachment plug.....	\$2.50
55509	3752	Same, with double contact.....	2.50

CAP LIGHTS

Cap lights are used by surveyors, miners, campers, etc. Bulb with strong reflector fastens in cap and is connected by cords with battery which is carried in the pocket.

Trade No.	Mfrs. No.	Price, Each Complete Battery	No. of Ex. Battery	No. of Bulb	Price, Each Ex. Bulb
16788	2876	\$5.50	731	1195	\$0.13
16789	2877	5.00	734	1199	.13

LAPEL LIGHTS

The lapel lights are smaller than the cap lights and are for the use of orchestras, bands, etc.

16790	3703	2.00	752	.45	1199	.13
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PISTOL LIGHTS

Brass case, finished in gun metal or nickel-plated.

Trade No.	Mfrs. No.	Size Inches	Price Each Complete Battery	No. of Ex. Battery	Price Each Extra Bulb	No. of Ex. Bulb	Price Each Extra Bulb
89515	2675	3x3 5/8	\$1.50	750	\$0.30	1180	\$0.13

FOUNTAIN PEN LIGHTS

Exactly like a banker's fountain pen in size and appearance. Gives either flashing or continuous light.

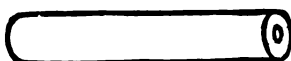
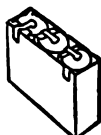
Trade No.	Mfrs. No.	Price, Each Complete Battery	No. of Ex. Battery	Price, Each Ex. Battery	No. of Bulb	Price, Each Ex. Bulb
89519	2681	\$1.00	706	\$0.25	1179	\$0.13

RANGE AND GAS LIGHTERS

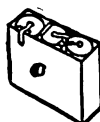
Prevent fires from the careless use of matches. Pressure on the contact causes platinum coil in the perforated tip to glow white hot. Battery case is of vulcanized fiber. All other parts are nickel-plated.

Trade No.	Mfrs. No.	Description	Price, Each Complete Battery	No. of Ex. Battery	Price, Each Ex. Battery
89516	2823	Range lighter.	\$1.50	790	\$0.30
89518	2824	Gas lighter. . .	2.00	790	.30
89517	....	Renewal tip.....each			.25

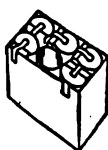
EVEREADY TUNGSTEN BATTERIES

Nos. 701, 705, 706, 711, 715,
720, 753, 790 and 791Nos. 700, 703,
750 and 751Nos. 792
and 793

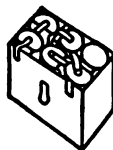
No. 734



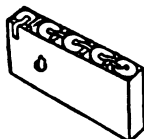
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No. 719



No. 724



No. 731



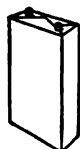
No. 752



No. 712



No. 723

Nos. 710
and 707

No. 716

FOR TUBULAR AND VEST POCKET
FLASH LIGHTS AND LANTERNS

Trade No.	Mfrs. No.	No. of Cells	Size Height	OVER Width	ALL IN. Depth	Bulb No.	Hours of Service	Repre- ciation*	Net Weight Ounces	Price Each
107065	701	3	4 $\frac{3}{4}$	1	....	1190	3 to 5	4	4 $\frac{1}{4}$	\$0.45
054438	705	3	7	1 $\frac{3}{8}$	....	1193	8 to 12	6	10 $\frac{1}{2}$	.40
107066	706	2	4	$\frac{9}{16}$	....	1179	1 to 2	3	1	.25
054440	711	3	9 $\frac{1}{8}$	1 $\frac{3}{8}$	....	1199	10 to 15	6	13 $\frac{1}{4}$	.45
107067	715	5	11 $\frac{3}{4}$	1 $\frac{3}{8}$	....	1195	8 to 12	6	17	.70
107068	720	2	4 $\frac{3}{4}$	1	....	1197	3 to 5	4	4	.35
107069	753	3	7	1	....	1113	3 to 5	4	6 $\frac{1}{4}$	.40
054441	790	2	4 $\frac{3}{4}$	1 $\frac{3}{8}$	....	1198	8 to 12	6	7	.30
054442	791	2	3 $\frac{3}{4}$	1	....	1182	3 to 5	4	3 $\frac{1}{4}$	.30
054450	700	2	1 $\frac{7}{8}$	1 $\frac{1}{8}$	$\frac{9}{16}$	1179	1 to 1 $\frac{1}{2}$	2	1 $\frac{1}{4}$	.30
054451	703	3	2 $\frac{5}{8}$	2 $\frac{7}{8}$	$\frac{7}{8}$	1190	3 to 5	4	4 $\frac{1}{2}$	.35
054452	750	2	2 $\frac{1}{4}$	1 $\frac{5}{8}$	$\frac{11}{16}$	1180	1 to 2	3	3	.30
054453	751	3	2 $\frac{1}{4}$	2	$\frac{11}{16}$	1181	1 to 2	3	2 $\frac{3}{4}$	.35
054455	792	2	2 $\frac{1}{2}$	1 $\frac{5}{8}$	$\frac{15}{16}$	1197	3 to 5	4	3	.30
054456	793	2	3 $\frac{7}{8}$	2 $\frac{1}{8}$	1	1197	6 to 10	6	6 $\frac{1}{2}$	.35
054457	734	3	3	4	1 $\frac{3}{8}$	{ 1199 or 1113 }	10 to 15	6	13 $\frac{3}{4}$	.45
107070	722	3	3	4	1 $\frac{3}{8}$	1199	10 to 15	6	13 $\frac{3}{4}$	.45
107071	719	5	3	4	2 $\frac{3}{4}$	{ 1195 or 1115 }	10 to 15	6	23 $\frac{1}{4}$	.75
107072	724	5	3	4	2 $\frac{3}{4}$	{ 1196 or 1115 }	10 to 15	6	23 $\frac{1}{4}$	.75
054431	731	5	3	6 $\frac{5}{8}$	1 $\frac{1}{2}$	1195	10 to 15	6	22 $\frac{3}{4}$	.75
054432	752	3	3 $\frac{3}{8}$	4	1 $\frac{3}{8}$	1199	10 to 15	6	14	.45
107073	712	3	2 $\frac{1}{2}$	3 $\frac{1}{8}$	1 $\frac{1}{8}$	1193	3 to 5	4	6 $\frac{3}{4}$	.40
107074	723	3	3	2 $\frac{1}{2}$	....	1199	10 to 15	6	13 $\frac{1}{2}$	.40
054435	710	5	3	3 $\frac{5}{8}$	....	1195	10 to 15	6	23	.75
107075	707	5	3	3 $\frac{5}{8}$	....	1195	10 to 15	6	23	.75
107076	716	5	6 $\frac{1}{2}$	3 $\frac{1}{8}$	1 $\frac{1}{2}$	1195	10 to 15	6	22 $\frac{3}{4}$	.75

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

*Months in which batteries will stand on shelf without
depreciating more than 10 per cent.

EVEREADY MINIATURE MAZDA LAMPS

The lamps illustrated on this page, with the exception of the candle lamp, have been specially constructed for use with the Eveready Tungsten Battery. They can, of course, be used for other purposes, but care should be taken that the correct voltage is ordered according to the strength of the battery on which they are to be used.

FLASH LIGHT BULBS

IN ORDERING, PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.


 Nos. 1113
and 1115

 Nos. 1179, 1180
and 1181

 Nos. 1190
and 1197

 Nos. 1193, 1198
and 1199


No. 1195

Trade No.	Mfg. No.	Article with which Bulb is Used	Battery with which Bulb is Used	No. Cells of Battery	Style Bulb	Volts	Amps.	Approx.* C. P.	Price† Each
69141	1113	1650, 1651, 1654	734, 753	3	Candle	4	.35	1½	\$0.45
69142	1115	1655	719, 724	5	Candle	6.2	.35	2	.45
69145	1143	2138	734	3	{ 3/8-in. Tub. }	4	.35	1½	.50
69132	1179	2681, 2682, 2683, 2684	706	2	{ 1/8-in. Opal }	2.5	.25	¾	.13
69133	1180	6991, 6971, 6961, 6981, 2675	750	2	{ 7/8-in. Opal }	2.5	.35	1	.13
69134	1181	6992, 6972, 6962, 6982	751	3	{ 7/8-in. Opal }	3.8	.35	1½	.13
69143	1182	6954, 2630, 2602	791, 792	2	{ 7/8-in. Opal }	2.7	.35	1	.13
69136	1190	6901, 6903, 6904, 6909, 6915, 4706, 2235	{ 701, 703, 734 }	3	{ 7/8-in. Clear }	3.8	.35	1½	.13
69138	1193	2606, 2612, 2619, 2626, 2627, 2633, 2659	705	3	{ 9/8-in. Clear }	3.8	.35	1½	.13
69146	1194	4710 Frosted Lamp	734	3	{ 9/8-in. Frosted }	4	.35	1½	.16
69140	1195	2610, 2615, 2623, 2653, 2876, 4701, 4702, 4704, 4711	{ 707, 710, 715, 716, 719, 731 }	5	{ 1 1/8-in. Clear }	6.2	.35	2	.13
69147	1196	4710, Ruby	734	3	{ 9/8-in. Ruby }	4	.35	1½	.19
69135	1197	6902, 6950, 6951, 6952, 6953, 1991, 1992, 1993	{ 720, 791, 792, 793 }	2	{ 7/8-in. Clear }	2.7	.35	1	.13
69137	1198	2604, 2622, 2624, 2625, 2616, 2631, 2634	790	2	{ 9/8-in. Clear }	2.9	.35	1	.13
69139	1199	2608, 2614, 2621, 4703, 4707, 2877, 3703, 2102, 2120, 2122, 2125, 2126, 4710	{ 711, 722, 723, 734, 752 }	3	{ 9/8-in. Clear }	4	.35	1½	.13
69144	1451	4716	406	1	G-4½	1.5	.06	¾	.15

*Greatly magnified by lens and reflector when used in article.

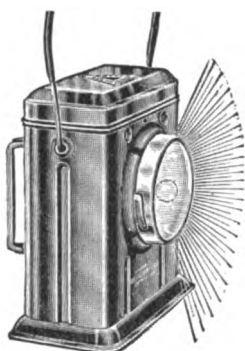
†All prices on bulbs subject to change without notice.

Illustrations are actual size.

PORTABLE BATTERY LANTERNS



No. 7 Delta Hand Lamp



No. 1 Delta Lantern



No. 1030 Presto Hand Lamp



No. 1040 Presto Hand Lamp

DELTA ELECTRIC HAND LAMPS

The No. 7 Delta Electric Hand Lamp operates on one ordinary No. 6 battery, obtainable everywhere. Switch of most reliable construction, containing a spring German silver connector. Battery connectors have spring washers; battery screws can be tightened with fingers, no tool required. Lamp constructed of heavy sheet steel, finished in baked black enamel and trimmed in nickel. Equipped with finest Mazda bulb, reflector is triple silver plated, semi-parabolic and highly polished; furnished with handle and bail.

Trade No.	Mfrs. No.	Description	Price Each	Price, Each Doz. Lots
70009	7	Lamp, black finish, without battery	\$1.60	....
135451	7	Lamp, black finish, with battery	2.30	2.20
135452	....	Extra bulbs for above	.15	....

DELTA TWO-CELL ELECTRIC HAND LANTERNS

The No. 1 Delta Electric Hand Lantern operates on two No. 6 dry cells.

This lantern is equipped with extra large bail handle which slips over the arm, also with grip handles, which can be folded flat with the back of the lantern.

Made of cold rolled steel, handsomely finished in baked semi-gloss black enamel, reflector triple silver plated with an extra high polish. Has a concave, convex, double strength glass lens and is equipped with a three-volt drawn wire Mazda bulb.

70008	1	Lantern, less batteries	2.50	....
135453	1	Lantern, with batteries	3.90	3.70
135454	....	Extra bulbs for above, unit package 10	.15	....

PRESTO ELECTRIC HAND LAMPS

The No. 1030 Presto Electric Hand Lamp with black enameled battery case, screw top cover, large bail, three-inch powerful bull's-eye lens, and all parts, excepting case, polished nickel plate, makes one of the best one-cell electric hand lamps on the market.

135455	1030	Lamp, without battery	1.68	....
135456	1030	Lamp, with battery	2.38	2.28
135457	....	Extra bulbs for above	.15	....

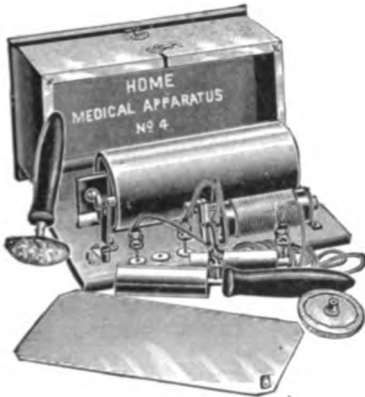
PRESTO TWO-CELL ELECTRIC HAND LAMPS

The No. 1040 Presto Electric Hand Lamp has a case for two No. 6 dry cells. The lamp head mounted on front of case allows the light to be turned straight up or down, or at any angle desired. It has a powerful three-inch bull's-eye lens and three-volt bulb; these combined features develop strong rays that will penetrate the darkness for a considerable distance.

135458	1040	Lamp, without batteries	2.00	....
135459	1040	Lamp, with two batteries	3.40	3.20
135460	....	Extra bulbs for above	.15	....

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

MEDICAL BATTERIES



No. 2204



No. 2215

HOUSEHOLD MEDICAL APPARATUS

Trade No.	Mfrs. No.		Price Each
095649	2215	Complete, with battery and electrodes	\$5.00

No. 4 HOME MEDICAL APPARATUS

095650	2204	Complete, with battery and electrodes	8.00
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MEDICAL INDUCTION COIL

095651	2234	Complete, with electrodes and cords only	2.70
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ELECTRODES

095652	2373	Sponge electrode24
095653	2210	Massage roller electrode70
095654	2370	Hand electrode, N. P. ....	.20
095655	2371	Hand electrode, N. P. ....	.20
095656	2374	Foot plate electrode .....	.40

CONDUCTING CORDS AND TIPS

095657	2358	Cords 3 feet long, per pair..	.40
095658	2362	Cords 4 feet long, per pair..	.50
095659	2359	Tips03

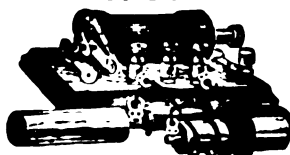
CURRENT INTERRUPTER

095660	2375	Same as used on medical batteries80
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ELECTRODE HANDLE

095661	2365	Interchangeable15
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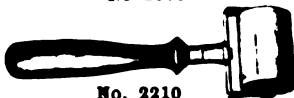
IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.



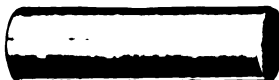
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No. 2373



No. 2210



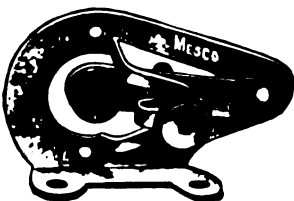
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No. 2371



No. 2359



No. 2375

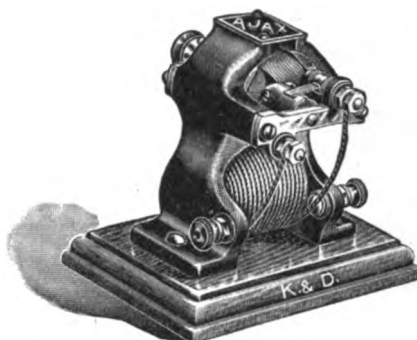


No. 2365

BATTERY MOTORS



No. 38

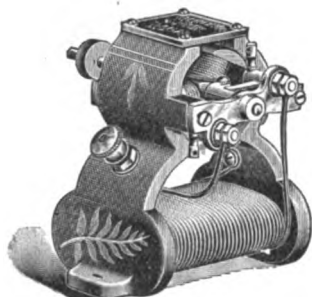


No. 39

REX MOTORS

Finished in black enamel, trimmings nickel-plated. Polished wood base. Runs efficiently on a single cell, dry or other battery.

Trade No.	Mfrs. No.	Wt. Lbs.	Size Inches	Price Each
027768	37	$\frac{3}{4}$	$3 \times 3\frac{1}{2} \times 3\frac{1}{2}$	\$1.00
Same as No. 38, but without switch on base.				
027769	38	$\frac{3}{4}$	$3 \times 3\frac{1}{2} \times 3\frac{1}{2}$	1.25



No. 1

AJAX MOTORS

Finished in black enamel, with nickel-plated trimmings. Mounted on polished wood base, with switch. Runs efficiently on one cell, dry or other battery. Similar to No. 38, but heavier.

027770	39	1	$3 \times 3\frac{1}{4} \times 4$	1.50
Same as No. 42, but without switch on base.				
027771	42	1	$3 \times 3\frac{1}{4} \times 4$	1.75



No. 3

STANDARD MOTORS

This motor is designed to run on a single cell, although two may be used if desired. If two are used they should be connected in series. The motor develops sufficient power to propel mechanical toys, advertising devices, etc. Finished in black enamel, nickel-plated trimmings.

Trade No.	Mfrs. No.	Wt. Lbs.	Speed R. P. M.	Size Inches	Price Each
027772	1	$1\frac{1}{2}$	2200	$3\frac{1}{2}$ sq.	\$3.00
027773	1	Wound to run in series with lamp			3.50

Built on the lines of No. 1, but larger and heavier, with corresponding increase in efficiency. Designed to operate on two or three cells. Finished in black enamel, brass trimmings.

027774	2	$2\frac{3}{4}$	2800	4 sq.	5.00
027775	2	Wound to run in series with lamp			5.75

This motor is suitable for operating small mechanical devices. It will swing an 8-inch fan. Finished in black enamel, brass trimmings.

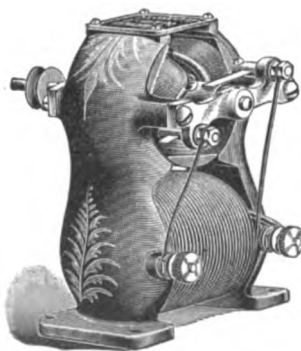
027776	3	$6\frac{1}{2}$	1800	$5\frac{1}{2} \times 4 \times 5\frac{1}{2}$	8.00
027777	3	Wound to run in series with lamp			9.00

Same type as No. 3, but larger and more powerful, with corresponding increase in efficiency. Will swing an 8-inch fan.

027778	4	8	1800	$6 \times 4\frac{1}{2} \times 6$	9.00
027779	4	Wound to run in series with lamp			10.50

Finished in black enamel, brass trimmings. Armature shaft is $3\frac{1}{2}$ inches long.

027780	6	$3\frac{1}{2}$	2400	$3\frac{1}{2} \times 3\frac{1}{2} \times 4\frac{3}{8}$	6.00
027781	6	Wound to run in series with lamp			6.75



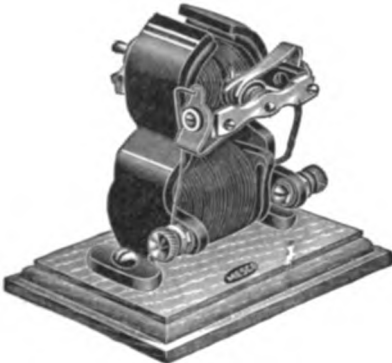
No. 6

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ELECTRICAL TOYS



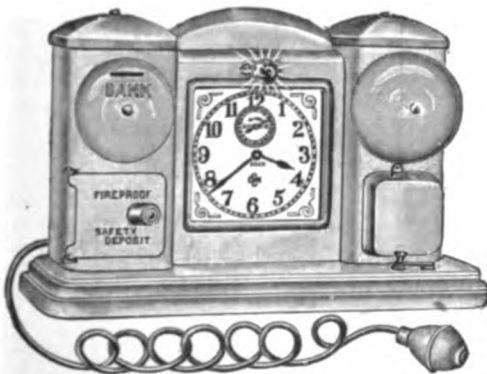
Midget Motor



Gem Battery Motor



Magnet



Electric Clock

MIDGET DYNAMOS OR MOTORS

The Midget is a substantial little machine. It will run equally well as a motor or dynamo. It may be run as a motor by the current from a small dynamo or from two or three cells of battery. As a dynamo it has an output of about 18 watts and will readily light one of the 6 candle power miniature lamps. It has a grooved pulley and may be run by hand power if desired. It is mounted on a turned wooden base and is neatly enameled. Wound for 4, 8 or 10 volts.

Trade No.	Speed R. P. M.	Output Watts	Weight Pounds	Price Each
40851	3500	6	4 $\frac{3}{4}$	\$9.50

GEM BATTERY MOTORS

The Gem Motors are finished in black enamel; screws and bearings are nickel-plated; mounted on polished wood stand. Used for operating small mechanical toys and advertising devices; runs on a single cell dry battery.

Trade No.	Description	Price Each
40853	.....	\$2.00
40854	With 3 $\frac{1}{2}$ -inch Fan.....	2.50

PERMANENT HORSESHOE MAGNETS

Trade No.	Size Inches	Price Each
40856	2	\$0.20
40857	3	.30
40858	4	.50
40859	5	.80
40860	6	1.20
40861	8	2.20
40862	10	4.00
40863	12	5.50

FLASH LIGHT ELECTRIC ALARM CLOCKS

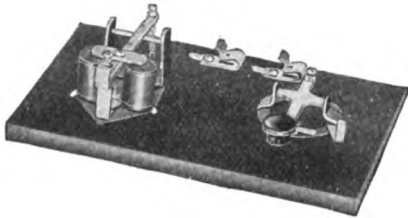
The electric alarm is operated by a dry battery and will run continuously until turned off. The clock is provided with a cord and pear push so that the clock dial can be illuminated. The bank and jewel depository is provided with a combination lock.

Trade No.	Price Each
40855	\$9.50

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ELECTRICAL TOYS

BOY SCOUT TELEGRAPH SETS



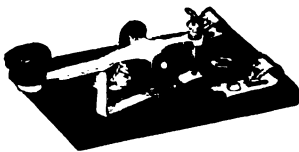
Boy Scout Telegraph Set

Nothing brings more joy to the heart of the average boy than a set of telegraph instruments and nothing gives him better experience or more fun. This Boy Scout outfit is a real toy outfit, not a cheapened standard set. It imitates the standard set in design and operation, but in a form which appeals to the boy as a real toy.

The sounder is adjustable and gives a clear, resonant click. Key, sounder and clips are mounted on a sounding board with high finish.

Trade No.	Mfts. No.	Description	Wt., Oz. Boxed	Price Each
135759	303	Single Boy Scout Telegraph Set..	12	\$1.00
135760	303A	Double Boy Scout Telegraph Set..	22½	2.00

Single set is packed in box 7½x4¾x2 inches; double set in box 7¼x5x4½ inches.



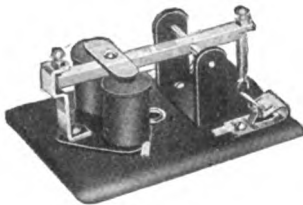
Boy Scout Telegraph Key

BOY SCOUT KEY AND SOUNDER ONLY

This key and also the sounder is furnished mounted separately on a small block, as illustrated. These can be fastened to any table or stand.

135761	304	Boy Scout Telegraph Key only..	3	.40
135762	305	Boy Scout Sounder only.....	5½	.70

Telegraph key is packed in box 3¾x2¾x2 inches; sounder in box 3¾x2¾x2 inches.



Boy Scout Sounder

WIRELESS BUZZER PRACTICE SET

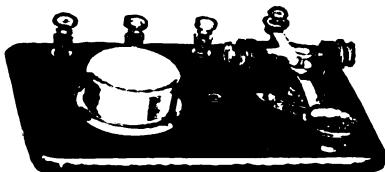
This set not only enables the beginner to become accustomed to the tone of the wireless but it also furnishes an instrument with which he can learn the code, simply by practicing. It can also be used on a line with a station at each end, operated like an ordinary telegraph instrument. Thousands of boys use these sets in this way.

It can also be used for wireless test detector set and the key alone can be used for operating a wireless coil for sending.

It is excellent for student instructions in receiving and for class work of various kinds. Full instructions and circuits are furnished with each instrument. The set comprises a buzzer and a wireless key mounted on a highly polished wood base. The buzzer is nickel-plated and the key has a black enamel frame with nickel-plated lever and adjusting screws.

135763	350	Wireless Buzzer Practice Set.....	16	1.50
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Packed in box 7½x4¾x2 inches.



Wireless Buzzer Practice Set

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

ELECTRICAL TOYS

TOY WALL TELEPHONES

This telephone is well fitted for practical use. It is equipped with push button and calling device for signaling and the circuit requires only two wires for both ringing and talking. It can be used to communicate from one room to the other or from house to house over moderate distances.

Trade No.	Mfrs. No.	Description	Wt. Lbs.	Price
			Boxed	Each
135741	309	Toy Wall Telephone, battery type	1 $\frac{5}{8}$	\$1.75

Packed in box 6 $\frac{1}{2}$ x7x2 $\frac{1}{2}$ inches.



Toy Wall Telephone

TOY WALL TELEPHONE SETS

This comprises two complete wall telephones ready to connect up; complete with instructions for connecting.

135742	309A	Toy Wall Telephone Set, battery type	3 $\frac{1}{4}$	3.50
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Packed in box 6 $\frac{1}{2}$ x12 $\frac{1}{2}$ x4 $\frac{1}{2}$ inches.

TOY DESK TELEPHONES

This little desk set is almost a replica of the regular standard desk telephone. The transmission is perfect. It is equipped with push button and electric signal for calling.

135743	310	Toy Desk Telephone, battery type	1 $\frac{1}{8}$	1.75
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Packed in box 9x6x3 $\frac{1}{2}$ inches.



Toy Desk Telephone

TOY DESK TELEPHONE SETS

This comprises two complete desk telephones ready to connect up; complete with instructions for connecting.

135744	310A	Toy Desk Telephone Set, battery type	2 $\frac{1}{2}$	3.50
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Packed in box 9x7x7 inches.

PEERLESS ELECTRIC TOY STOVES

The Peerless Electric Toy Stove is a real stove that will boil, fry and bake in the little oven. Furnished complete with cord, plug detachable connector and two cooking utensils. When ordering specify voltage of circuit on which stove will be used.

Trade No.	Mfrs. No.	Description	Wt. Lbs.	Price
			Boxed	Each
135745	1200	Peerless Electric Stove	2 $\frac{7}{8}$	4.00

Packed in box 9x7 $\frac{1}{4}$ x5 inches.

BIG TWIN ELECTRIC ENGINES

This is a powerful, compound magnet toy engine and is built for heavy service. The magnets are over 2 $\frac{1}{4}$ inches long each, and are wound to give an extra strong pull. The heavy stamped fly wheel is 3 $\frac{1}{2}$ inches in diameter.

135746	850	Big Twin Electric Engine	2 $\frac{1}{4}$	1.25
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Packed in box 7 $\frac{1}{2}$ x4x4 $\frac{1}{2}$ inches.

PEERLESS ELECTRIC TOY ENGINES

This engine is made to run a long time on one cell of dry battery. The position of the reversing lever controls the speed and direction the engine will run. Speed about 1000 revolutions per minute.

097155	800	Peerless Electric Toy Engine only	8 $\frac{1}{2}$ oz.	.50
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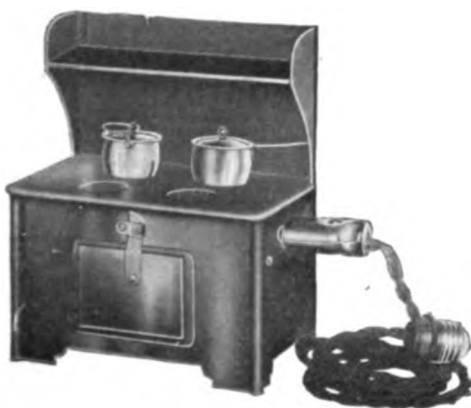
Packed in box 3 $\frac{3}{4}$ x2 $\frac{3}{4}$ x2 inches.

COUNTERSHAFT AND ENGINE

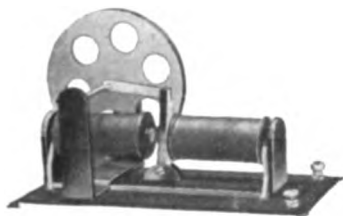
This countershaft reduces the high speed of the Peerless Engine down to a moderate speed and intensifies and increases the pulling power of the engine.

135747	801	Countershaft and base, complete with No. 800 engine	1 $\frac{1}{8}$	.75
135748	802	Countershaft and base, only	10 $\frac{1}{2}$ oz.	.25

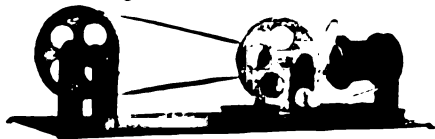
Packed in box 8 $\frac{1}{2}$ x3 $\frac{1}{2}$ x2 $\frac{1}{2}$ inches.



Peerless Electric Toy Stove



Big Twin Electric Engine



Countershaft and Peerless Engine

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

TABLES

UNITS OF MEASURE

The electrical units are derived from the following mechanical units of the metric system:
METER.—A unit of length equal, approximately, to one ten-millionth part of a quadrant of a meridian of the earth taken through Paris; or, approximately, to 39.37 inches.
GRAMME.—Unit of weight. Weight of a cubic centimeter of water at a temperature of 4 degrees centigrade.
SECOND.—Unit of time. The time of one swing of a pendulum making 86,400 swings in a solar day.

ELECTRICAL UNITS

VOLT.—Such an electromotive force as would cause a current of one ampere to flow against a resistance of one ohm. Such an electromotive force as would charge a condenser of the capacity of one farad with a quantity of electricity equal to one coulomb.
OHM.—The practical unit of electric resistance. Such a resistance as would limit the flow of electricity under an electromotive force of one volt, to a current of one ampere, or one-coulomb-per-second.
MEGOHM.—1,000,000 ohms.
AMPERE.—The practical unit of electric current. A rate of flow of electricity transmitting one coulomb per second. The current of electricity which would pass through a circuit whose resistance is one ohm, under an electromotive force of one volt.
COULOMB.—The practical unit of electric quantity. Such a quantity of electricity as would pass in one second through a circuit conveying one ampere. The quantity of electricity contained in a condenser of one farad capacity, when subjected to the E. M. F. of one volt.
FARAD.—The practical unit of electric capacity. Such a capacity of a conductor or condenser that one coulomb of electricity is required to produce therein a difference of potential of one volt.
MICROFARAD (MFD).—One-millionth of a farad.
WATT.—A unit of electric power. A volt-ampere. The power developed when 44.25 foot-pounds of work are done in a minute, or 0.7375 foot-pound of work is done in a second.
JOULE.—A volt-coulomb or unit of electric energy or work. The amount of electric work required to raise the potential of one coulomb of electricity one volt. Ten million ergs.

OHM'S LAW

Ohm's law is a method of expressing relationship existing between the electromotive force, current and resistance, and is practically the basis of most electrical computations. It is expressed in various forms, as follows:

$$\text{Current Flow} = \frac{\text{Electromotive Force}}{\text{Resistance}} \text{ or, } I = \frac{E}{R}$$

Electromotive force equals the current flow multiplied by resistance.

$$\text{Electromotive Force} = \text{Current Flow} \times \text{Resistance, or } E = I \times R.$$

Resistance equals the electromotive force divided by the current flow.

$$\text{Resistance} = \frac{\text{Electromotive Force}}{\text{Current Flow}} \text{ or, } R = \frac{E}{I}$$

$$I = \text{Amperes. } E = \text{Volts. } R = \text{Ohms.}$$

Electromotive force varies directly as the current and resistance.

Resistance varies directly with the electromotive force and inversely as the current.

Current varies directly with the electromotive force and inversely as the resistance.

MIL

The "mil," whose expressed value is $\frac{\text{One}}{\text{One-Thousandth}}$ (.001) of an inch, is the practical basis for determining the diameters and thereby the area of all wires used as electric conductors. The diameters being given, the area is obtained by the well-known rule, "the area of a circle, in circular units, is equal to the square of its diameter"; hence the square of the diameter of a wire expressed in mils equals the area of its cross section.

$$D^2 = A, \text{ which area is expressed in Circular Mils or CM, hence } D^2 = \text{CM.}$$

WIRING FORMULA

Ohm's law is practically the basis for the various formulæ in general use for determining the proper size of wire to use to carry various currents. It is essential to know the amount of current expressed in amperes, the distance, and to decide upon the loss to allow in transmission; the best rule is as follows:

The cross section (CM) of the necessary wire is found by multiplying twice the distance one way (2D) by the amount of current expressed in amperes (C) and this by the resistance of one mil-foot (10.7) and dividing by the loss in transmission expressed in volts (v).

$$\text{or, CM} = \frac{2D \times C \times 10.7}{v} \quad \text{or, CM} = \frac{D \times C \times 21.4}{v}$$

IN ORDERING PLEASE GIVE TRADE NUMBER AND ALSO DESCRIPTION.

INDEX TO TRADE NUMBERS

Many manufacturers use the same numbers to identify the various articles in their catalogues. To prevent duplication of these numbers we have assigned a special Trade Number to each article listed in this catalogue. For convenience in identifying articles which are familiarly known by the manufacturer's number, this number is also given in many pages in addition to the Trade Number.

The following index refers to our Trade Numbers only. There is no index to manufacturers' numbers. Therefore, always use our Trade Numbers in ordering material.

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